

Ship... *"Combrisi"*.....

Capt... *Valentine C. Long*.....

Years..... ~~1836~~ 1837-.....

LOG
32B

No. 954.

Navigation by Plane Sailing

Example

Question A Ship leaves Scitucket great point light house in the Lat. $41^{\circ}22'$ N & the Long $70^{\circ}05'$ W and then sails 264^m RBS Required her Lat & Long in and her Departure from the great point

N S E W
219.51469

Lat	Lat	Long
264	$41^{\circ}22'N$	$70^{\circ}05'W$
D.L.	$3^{\circ}46'S$	$3^{\circ}11'E$
Lat in	$37^{\circ}42'$	$66^{\circ}54'$
Long	$79^{\circ}64'$	
HD	$39^{\circ}32'$	

Given by A. Hall

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 Mr Charles
 Shepley Drury

Mr
 Wm. Baker
 Scitucket
 Ship Masts

Wm. Smith

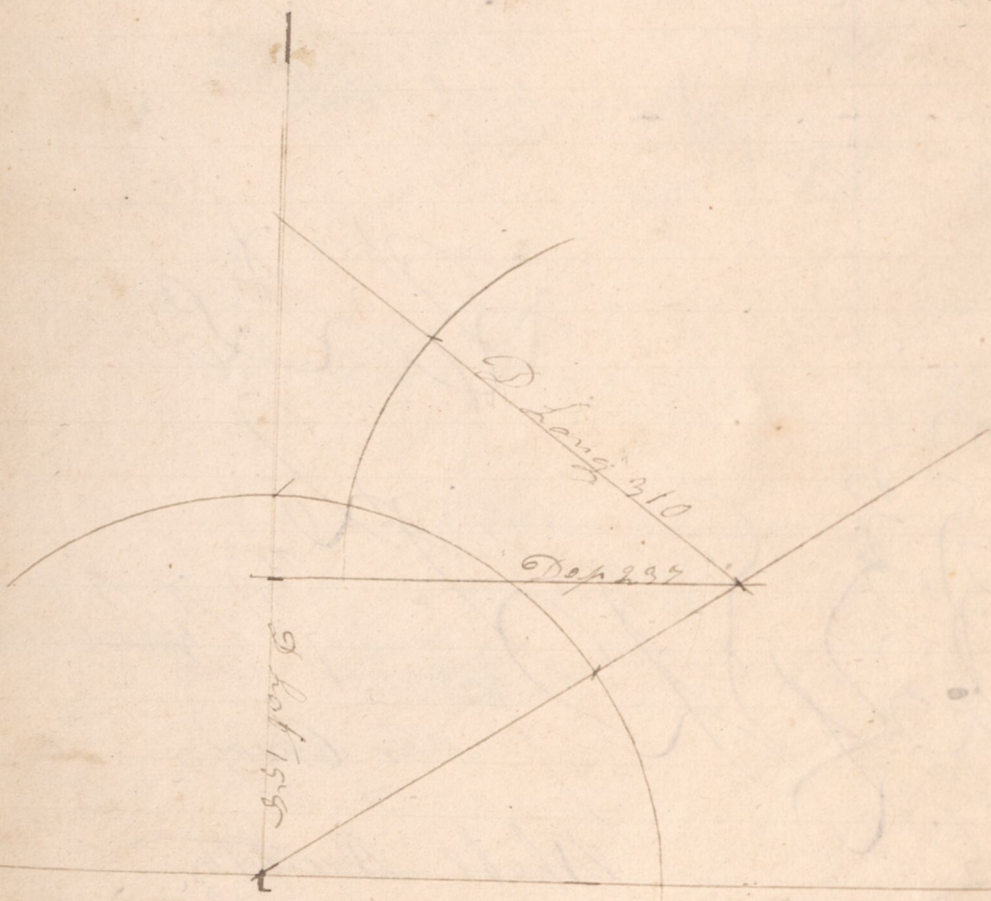
Example 2

Question A Ship leaves Gay Head Light house in the Lat $41^{\circ} 21' N$ & the Long $70^{\circ} 50' W$ and then sails NW by 286° . Required her Lat & Long in and her Departure from Gay Head

Course & Dist	Lat	Long
NW by 286	$41^{\circ} 21' N$	$70^{\circ} 50' W$
	$2^{\circ} 39' S$	$5^{\circ} 40' W$
D by	$38^{\circ} 42'$	$76^{\circ} 00'$
Lat in	$80^{\circ} 03'$	
MD	$40^{\circ} 01'$	
		$60^{\circ} 59' (2)$
		120
		39

$25^{\circ} 8' N$
 155°
 $232^{\circ} 3'$
 $77^{\circ} 5'$

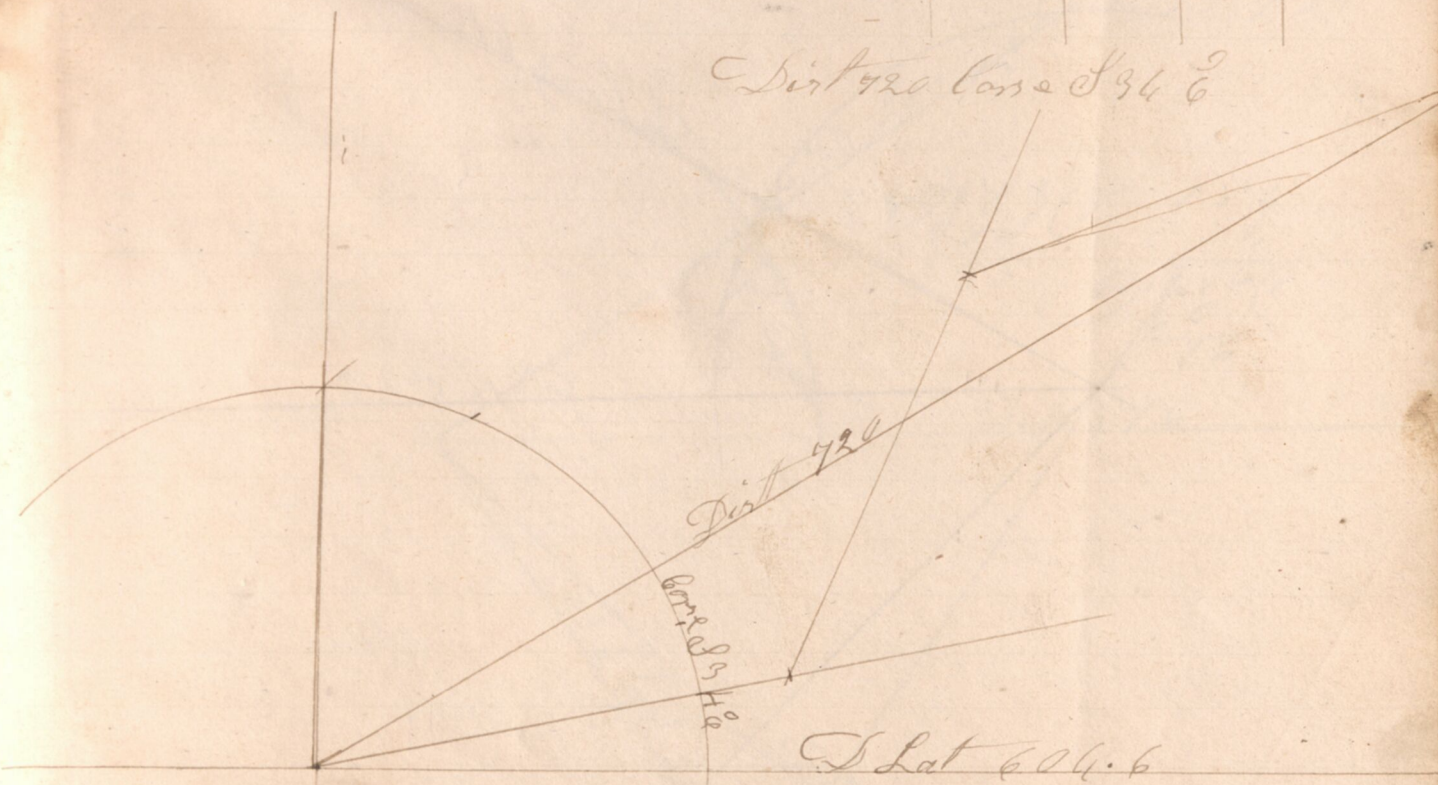
$60^{\circ} 59' (2)$
 120
 39
 155°
 $232^{\circ} 3'$
 $77^{\circ} 5'$



Travers Sailing Example 1

Question A Ship leaves Sandy point of New York in the Lat. $40^{\circ} 18' N$ & the $74^{\circ} 01' W$ and then sails NBE 246 E. 18 234^m & SSE 288^m. Required her Lat. & Long in and her bearings and Distance from Sandy Hook

Course	Dist	Lat	Long	N	S	E	W
					241.8	48.1	
NBE	246	$40^{\circ} 28' 34''$	$70^{\circ} 01' 17''$		97.2	234.7	
E 18	254	$10^{\circ} 05' 24''$	$5^{\circ} 00' 02''$		266.1	110.2	
SSE	288	$30^{\circ} 23'$	$62^{\circ} 01'$		604.6	392.3	
		$70^{\circ} 54'$			302.3	196.4	
		$35^{\circ} 25'$			151.1	98.2	



Mr
Wm. Baker
Master
Ship Maff
Boston

Travers Sailing Example 1

Question A Ship leaves Sandy point of New York in the Lat. $40^{\circ}28'N$ & the $74^{\circ}01'W$ and then sails SBE 246 E 18 234 & S 1 E 288^m
Required her Lat. & Long in and her bearings and Distance from Sandy Hook

Course	Dist	Lat	Long	N	S	E	W
					246.8	48.1	
SBE	246	$40^{\circ}28'N$	$74^{\circ}01'W$		97.2	234.6	
E 18	254	$10^{\circ}05'N$	$74^{\circ}00'W$		266.1	110.2	
S 1 E	288	$30^{\circ}23'N$	$72^{\circ}01'W$		604.6	392.3	
		$70^{\circ}54'N$			302.3	196.4	
		$35^{\circ}25'N$			151.1	98.2	



Mrs
Wm. Baker
Bantucket
Ship Mass

Heath

Example 2

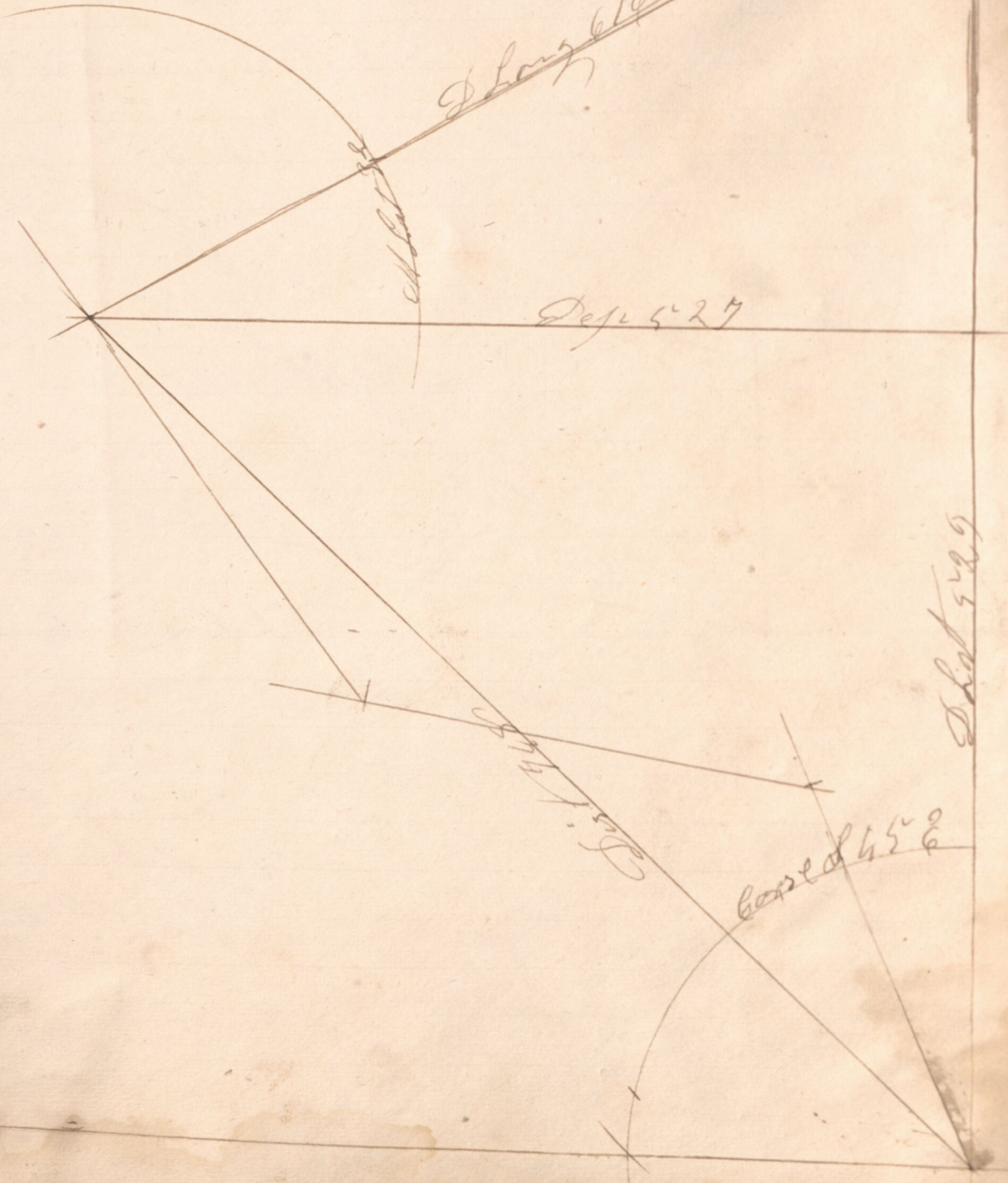
Question A Ship leave the Pt of St. Catharines in the Lat. $27^{\circ}32.5'$ & the Long $48^{\circ}00'$ W and then Sails SSE 256 EBS 268 to NEBS 294^m Required her Lat & Long in and her bearing & Distance from St. Catharines Pt.

Course	Dist	Lat	Long	
SSE	256	$27^{\circ}22'S$	$48^{\circ}00'$	
EBS	268	$8^{\circ}53'$	$10^{\circ}20'$	
NEBS	294	$36^{\circ}15'$	$37^{\circ}40'$	Long
		$63^{\circ}37'$		
		$31^{\circ}48'$		

236.15	$98.$
52.3	262.9
244.8	169.3
593.9	526.2
266.6	262.8
199.3	131.0

Course $S 75^{\circ} E$ Dist 340

Long 61°



Example 3

Question A Ship leaves Fayal S.E. Pt. in the Lat $38^{\circ}30'S$ and the Long $28^{\circ}42'W$ and then sails S.E. 240° E.B. 1 266^m & S.E. 258^m Required her Lat. & Long in and her bearings & Distance from Fayal

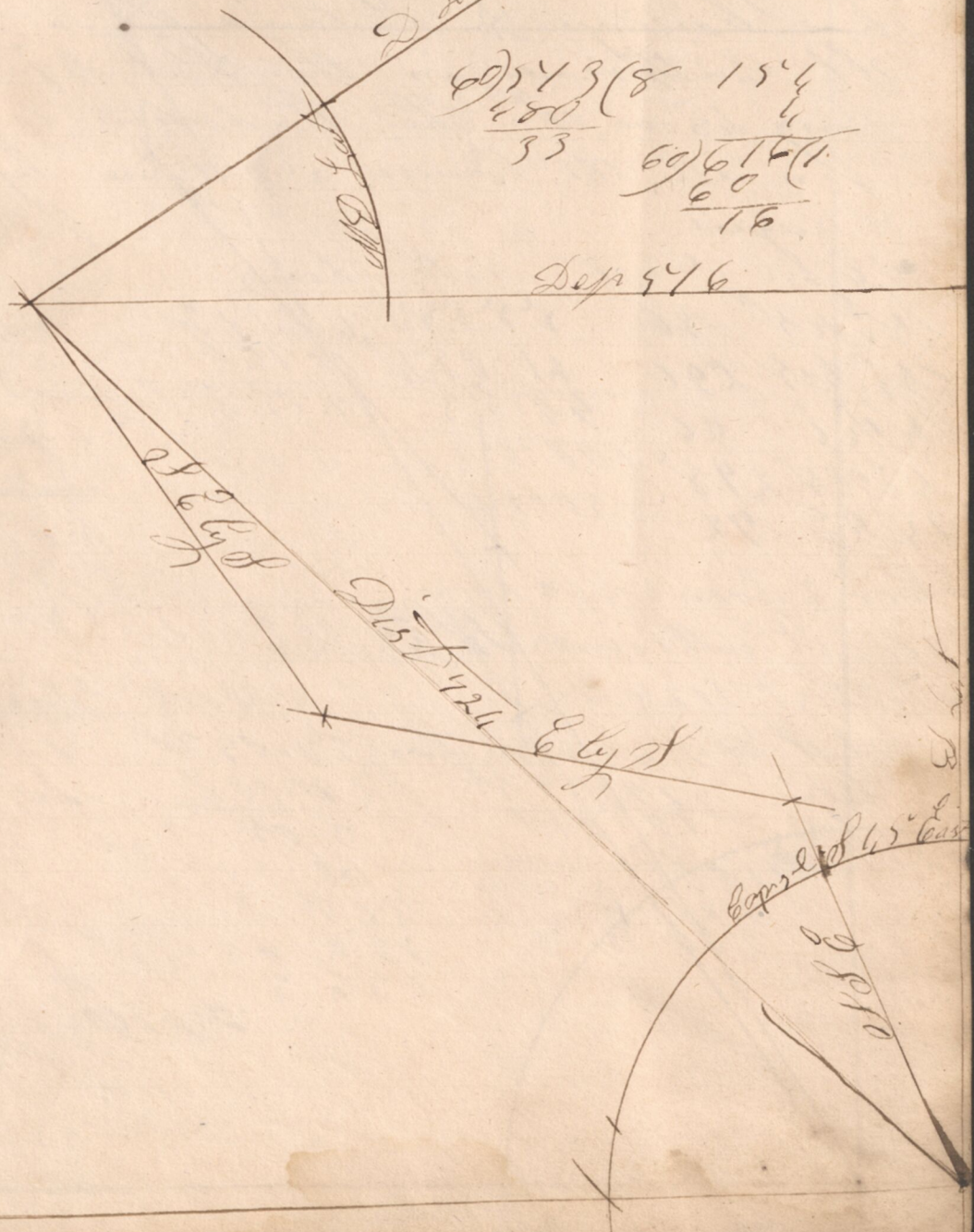
Course	Dist	Lat	Long	Lat	Long
S.E.	240	$38^{\circ}30'S$	$28^{\circ}42'W$		
S.E.	266	$8^{\circ}33'S$	$10^{\circ}16'W$		
S.E.	288	$29^{\circ}57'$	$18^{\circ}26'$ long in		
		$68^{\circ}27'$			
		$34^{\circ}13'$			

Course 45° East

Dist 924

$543(8 \ 154$
 480
 33
 $60616(1$
 60
 16

Dep 516



Example 4

Question A Ship leaves Cape Horn Flomato-
 in the Lat. $55^{\circ}58'S$ & the Long $67^{\circ}21'W$ and
 at 9 A.M. took her Departure with the land
 a bearing SBW by Compass with 2° points East
 Variation and then Sailed NB 290 on her
 Starboard tack making $\frac{1}{2}$ point leeway and
 having the above Variation and A Current
 a running NW at the rate of 2 knots
 per hour for 48 hours - She then Sailed NB
 298 on her Starboard tack making $\frac{1}{2}$ point
 leeway and having 2° points ^{East} West Variation
 and A Current a running SBW at the
 rate of $\frac{1}{2}$ knots per hour for 48 hours
 Required her Lat. & Long. in and her
 bearings & Distance from Cape Horn and
 her bearings & Distance from the Pt. of
 St. Catharines in the Lat. $27^{\circ}32'$ & the
 Long $48^{\circ}00'W$ the Variation is to allow
 for all the Courses & Distance by estimation.

12 leagues

	Dist.	Lat	Long	N	S	E	W
• Cape							
NB	36	$55^{\circ}58'S$	$67^{\circ}21'W$	248	228.8		
SB	290	$41^{\circ}02'S$	$10^{\circ}46'E$	241.1	161.1		
NB	96	$44^{\circ}53'$	$59^{\circ}05'W$ ^{Large}	98.5	7.4		
SB	298	$100^{\circ}53'$		230.4	189.0		
NB	72	$50^{\circ}26'$		70.6	14.0		
Course from Cape Horn				665.4	396.3		
to St. Catharines				332.7	198.8		
				166.9	99.0		

Dist 1128 in

Course 31.14° & Dist. 992

Lat ship $44^{\circ}53'S$	Long $59^{\circ}05'W$	Lat $44^{\circ}53'S$
Lat in $27^{\circ}32'S$	$48^{\circ}00'E$	Lat $27^{\circ}32'S$
$17^{\circ}21'S$	$9^{\circ}05'$	$17^{\circ}21'S$
60	60	60
104.6	54.5	36.13
520.6	292.6	
260.7	136.9	

Dep 10.3

1/2 Dist 5.62

Comp 0.18216

1/2 Dist 219

1/2 Dist

1/2 Dist 2.75

Lat 44.53 M 3020 Lat 44.53 Long 54.05

27.32

1920

27.32

45.00

72.25

1300

19.21

9.05

36.12

650

60

60

325

1061

545

162.6

520.6

272.6

260.3

6.00000

1/2 Dist 219

1/2 Dist 5.62

1/2 Dist

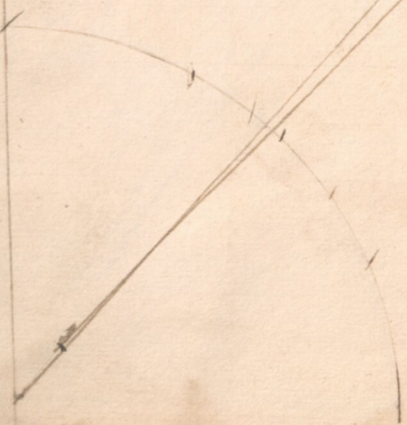
1/2 Dist 293

Example 5

Question A Ship leaves the Cape of Good Hope in the Lat. $34^{\circ}24'S$ in the Long $18^{\circ}28'E$ and then S. by E. took her Departure with the Land bearing S. by E. by Compass with 2° points Westerly Variation and Distance by estimation 12 leagues and then Sails N. by W. 290° on her Starboard tack making $\frac{1}{2}$ point leeway and having the above Variation and A Current a running N. by W. at the rate of $\frac{1}{2}$ knots per hour for 48 hours. She then Sails North 199° on her Starboard tack making $\frac{1}{2}$ point leeway and having 2 points West Variation and A Current a running N. by W. at the rate of $\frac{1}{2}$ knot per hour for 48 hours Required her Lat. & Long. in and her bearings & Dist from the Cape of Good Hope and her bearings & Distance from the City of St. Helena James Town in the Lat. $15^{\circ}33'S$ the Long $5^{\circ}36'W$

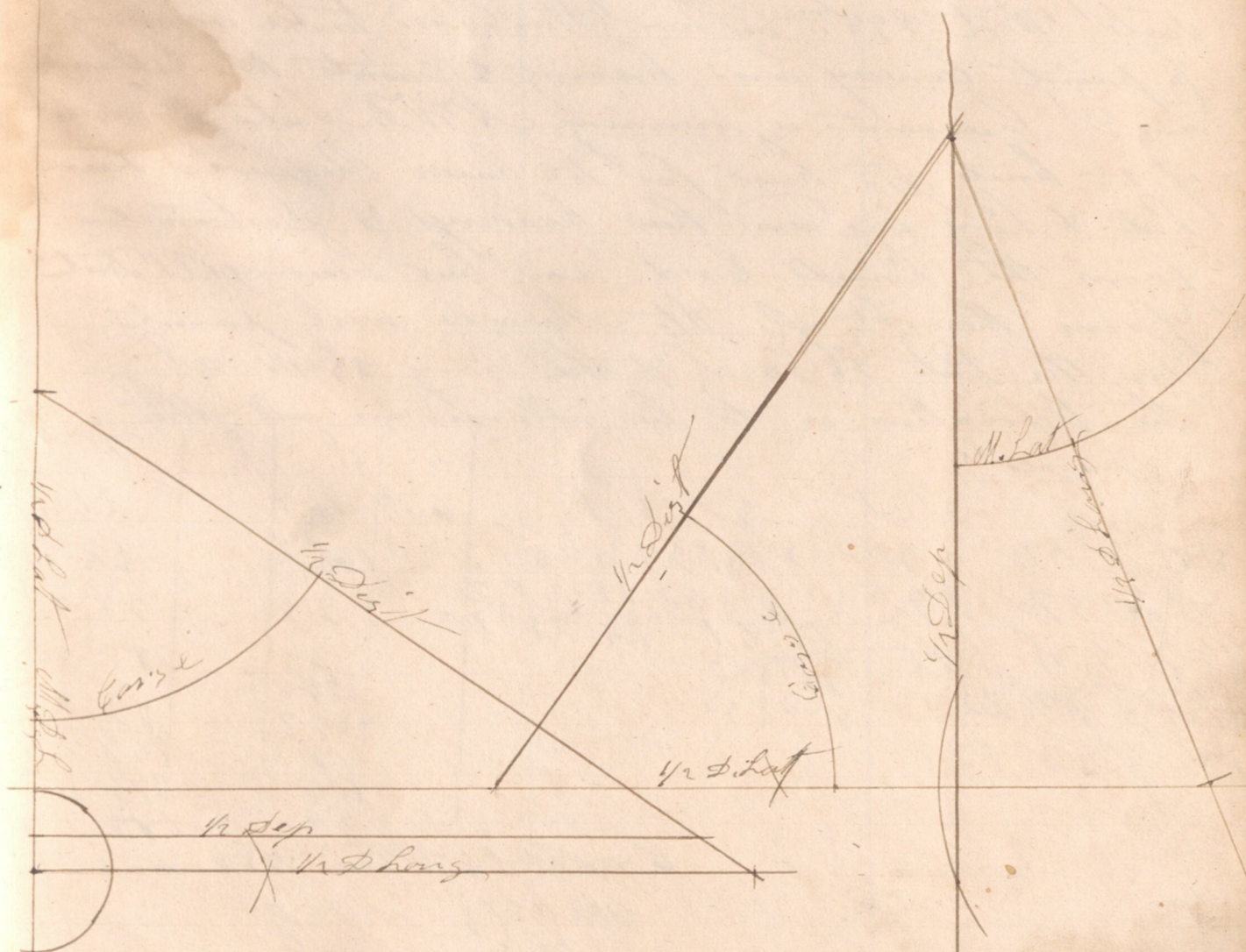
Course	Dist	Lat	Long	Lat	Long
$34^{\circ}24'S$	36	$34^{\circ}24'S$	$18^{\circ}28'E$	$23^{\circ}29'S$	$205.1226.1$
$48^{\circ}S$	290	$9^{\circ}39'S$	$9^{\circ}52'W$	59.6	59.7
$58^{\circ}W$	290	$24^{\circ}49'$	$8^{\circ}36'W$	40.8	26.22
$29^{\circ}45'W$	298	$29^{\circ}11'$		66.8	27.6
$64^{\circ}W$	92	$29^{\circ}35'$		513.7	574
				286.8	288
				144	
				128.4	

Cape of Good Hope $24^{\circ}27'W$ Dist 92
 $605.49(9)$ 145
 $540(9)$ 4
 37 $605.49(9)$
 $540(9)$
 52



Lat ^d	M ^d P	Long	Lat ^d
24.555	1544	08.286	24.555
15.555	968	5.367	15.555
9.00	596	14.04	40.50
60	288	60	20.25 M. Lat
340	144	844	
220		422	
135		211=198	

course N 56 W Dist 241 m

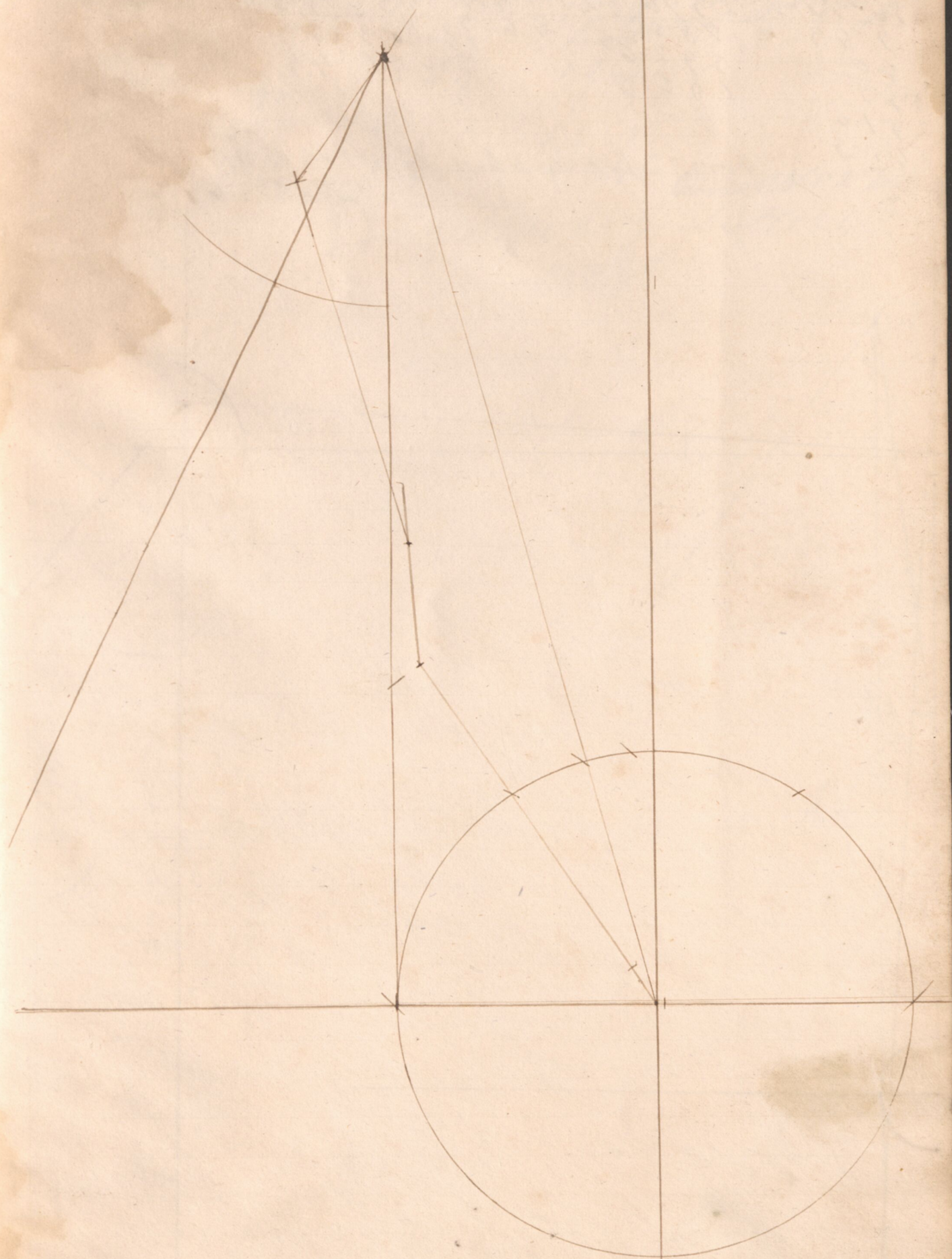


Example 6
 Question A Ship leaves the Harbours End of
 Cold England in the Lat. $50^{\circ}09'N$ and the Long of
 $5^{\circ}48'W$ and at 10 A.M. took her Departure with
 the Land a bearing E by S by compass with 2 points
 West Variation & Distance by estimation 10 leagues
 and then sails W by S 292^m on her Starboard tack
 making 1 point leeway and having 2 points West
 Variation and a Current a running W by N at the
 rate of 2 knots per hour for 48 hours and then
 sails West 298^m on her Starboard tack making
 $\frac{1}{2}$ point leeway and having 2 points West Variation
 and a Current a running N by W at the rate
 of $2\frac{1}{2}$ knots per hour for 48 hours Required her
 Lat. & Long in and her bearings & Distance
 from the Harbours End and her bearings & Dist
 from the Pt. of St. Marys west point
 in the Lat. $36^{\circ}58'N$ & the Long $25^{\circ}14'W$
 the Variation is to be allowed on all the
 Courses

Course	Dist	Lat	Long	N	S	E	W
Course	Dist	Lat	Long	66.7	16.7		24.9
SSE by S	30	$50^{\circ}09'N$	$5^{\circ}48'W$	162.2			242.8
SSE by S	292	$3^{\circ}28'S$	$18^{\circ}40'W$	9.4			95.5
$4\frac{1}{2}W$ by S	96	$16^{\circ}41'$	$24^{\circ}28'W$		86.5		285.2
		$96^{\circ}50'$			274.8		
$6\frac{1}{2}W$ by S	298^m	$48^{\circ}25'$			66.7		99.8
					208.1		248.2
SSE by S	120				104		374.1
					5.2		187

Corre $14^{\circ}44'W$ Dist 456^m

$60208(3 \quad 280$
 180
 $\frac{28}{601720(18$
 60
 520
 480
 40

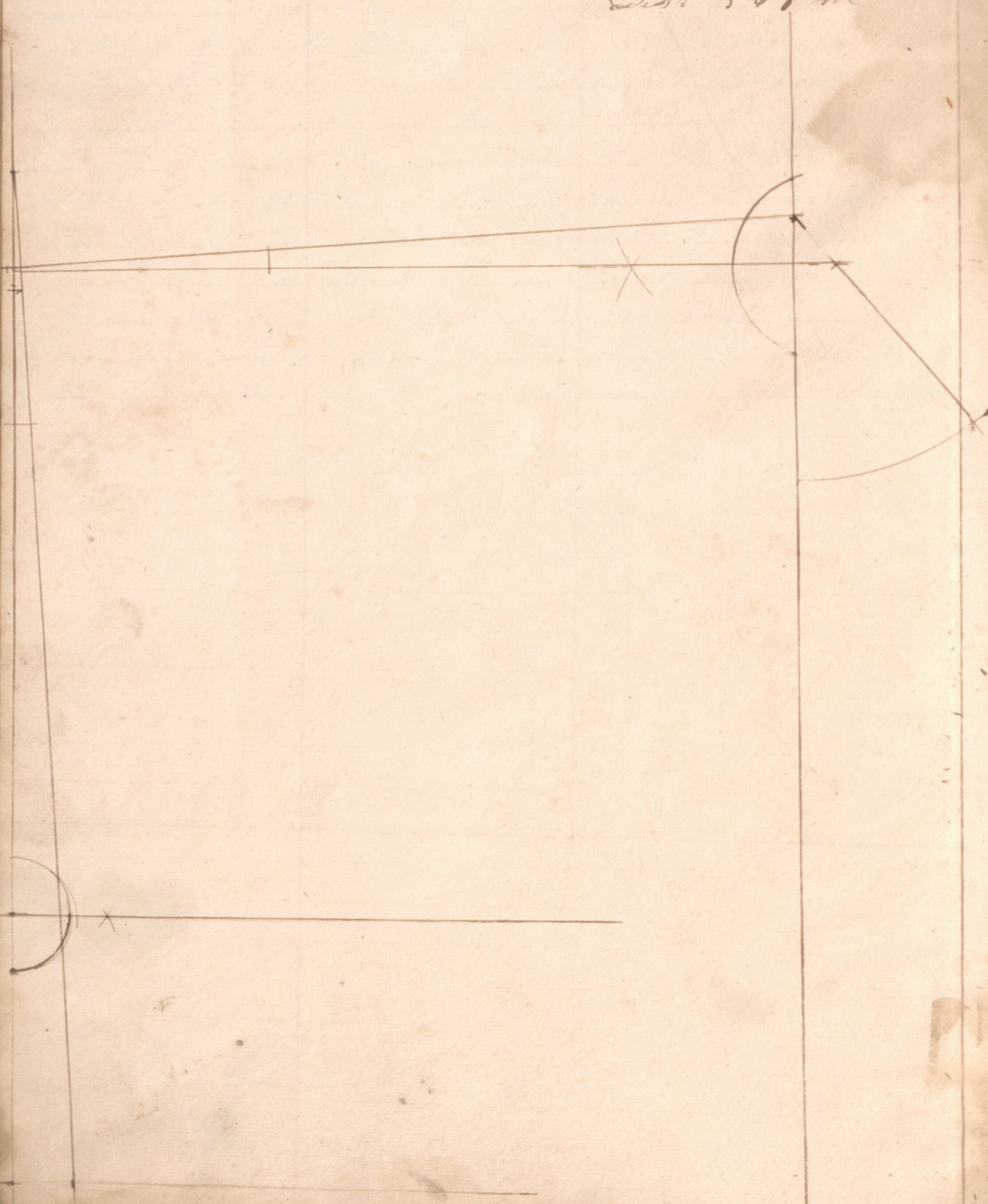


Course and Dist from ship to Is

Lat	Mag	Long	Lat	
46-41.5	3175	24 28 W	46-41.5	
36-58.5	2390	25-14 W	36-58.5	162
9-43	48.5	46-34	83-39	192
60	392.6	8-6	41-49	284
583	196.3			568

291.6
145.8

Course from ship to Is is S 73° 30' W
Dist 568 m

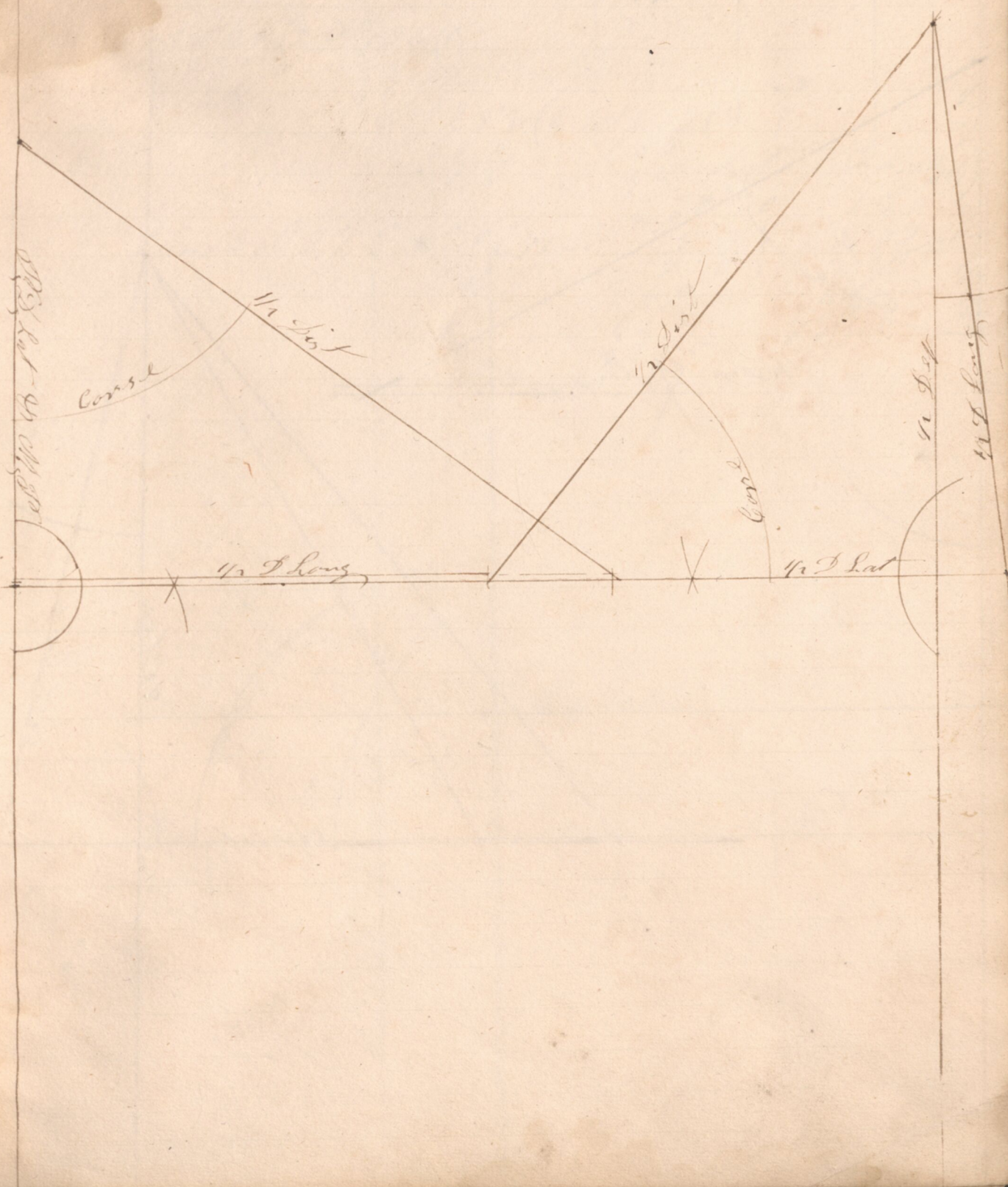


Required the Direct Course and Distance
 Callao Sea port of Lima in the Lat. $12^{\circ} 25' S$
 the Long $77^{\circ} 04' W$ and Charles Is. in the Lat.
 $1^{\circ} 30' S$ & the Long $90^{\circ} 34' W$ one of the Gallapagos

Lat	M	P	Long	Lat
12.025	42.7		77.04	12.02
1.305	90		90.34	1.30
10.32	637		13.30	13.32
60	318.6	60		6.46
63	159.38	10		
316		405		
158		202.5		
		201.25		
		4		
		1028		

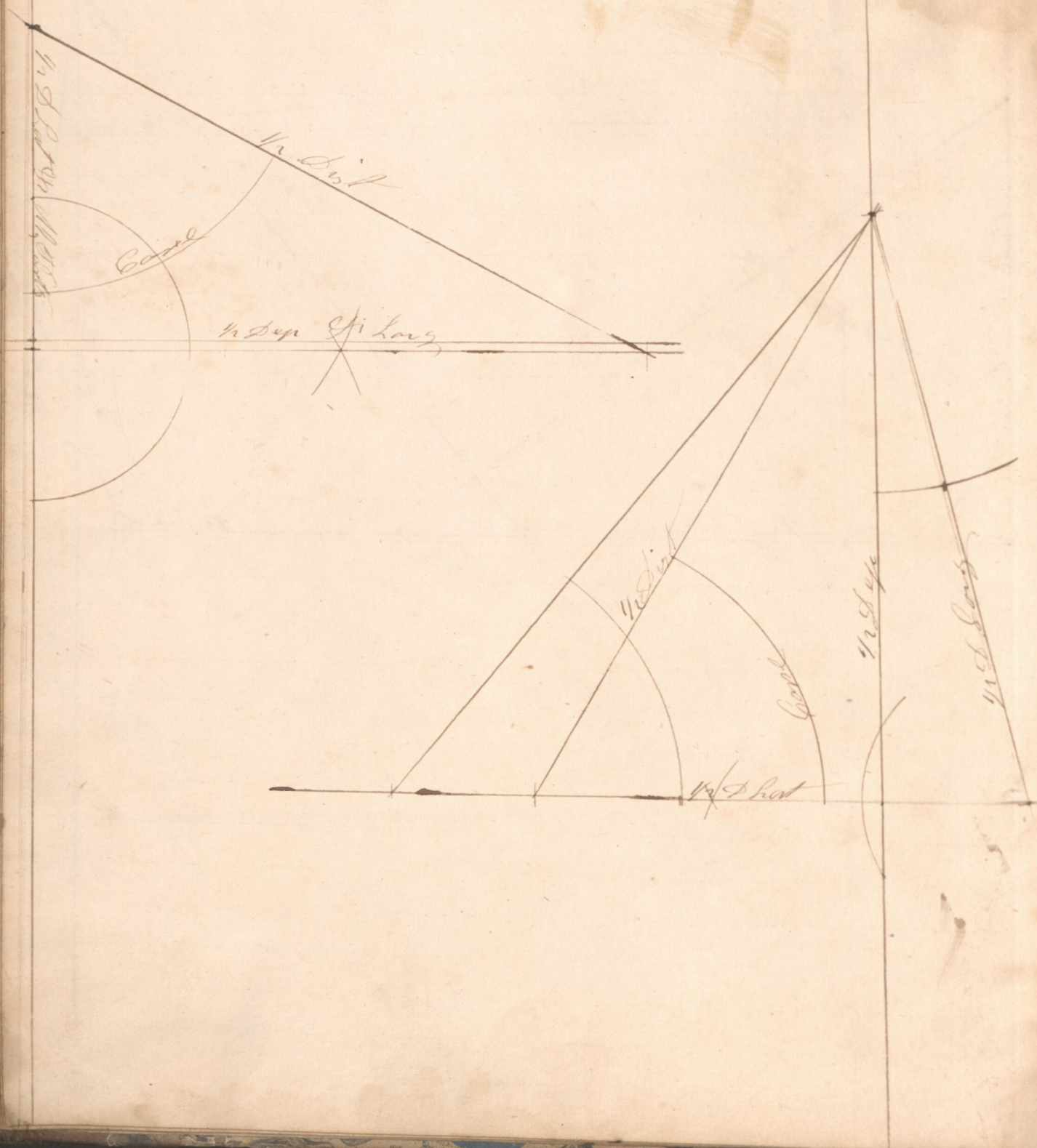
Course $N 52^{\circ} W$

Dist 1026



Required the Direct Course and Distance
 from Lord Hood's Pt. one of the Societys in
 the Lat. $16^{\circ} 46' S$ & the Long $134^{\circ} 06' W$ and Port
 Ann Maria entrance one of the Washington
 Is. in the Lat. $8^{\circ} 57' S$ & the Long $139^{\circ} 40' W$

Lat	MS	Long	Lat
16.46	1021	134.06	16.46
8.57	539	139.40	8.57
7.49	482	14.26	25.43
60	241.5	60	12.51
469		866	Course 61 East
234.6		433	Dep 484 Dist 96.8
119.3		216.5 = 211	2
			96.8



Question A Ship leaves the Lat. $1^{\circ} 30' N$ and the Long $1^{\circ} 20' W$ and then sails $SE 24^{\circ}$ $NWSW 264^{\circ}$ & $ES 278$ required her Lat. & Long in and her bearings & Distance from Lat. & Long left. & her Crossing the lines

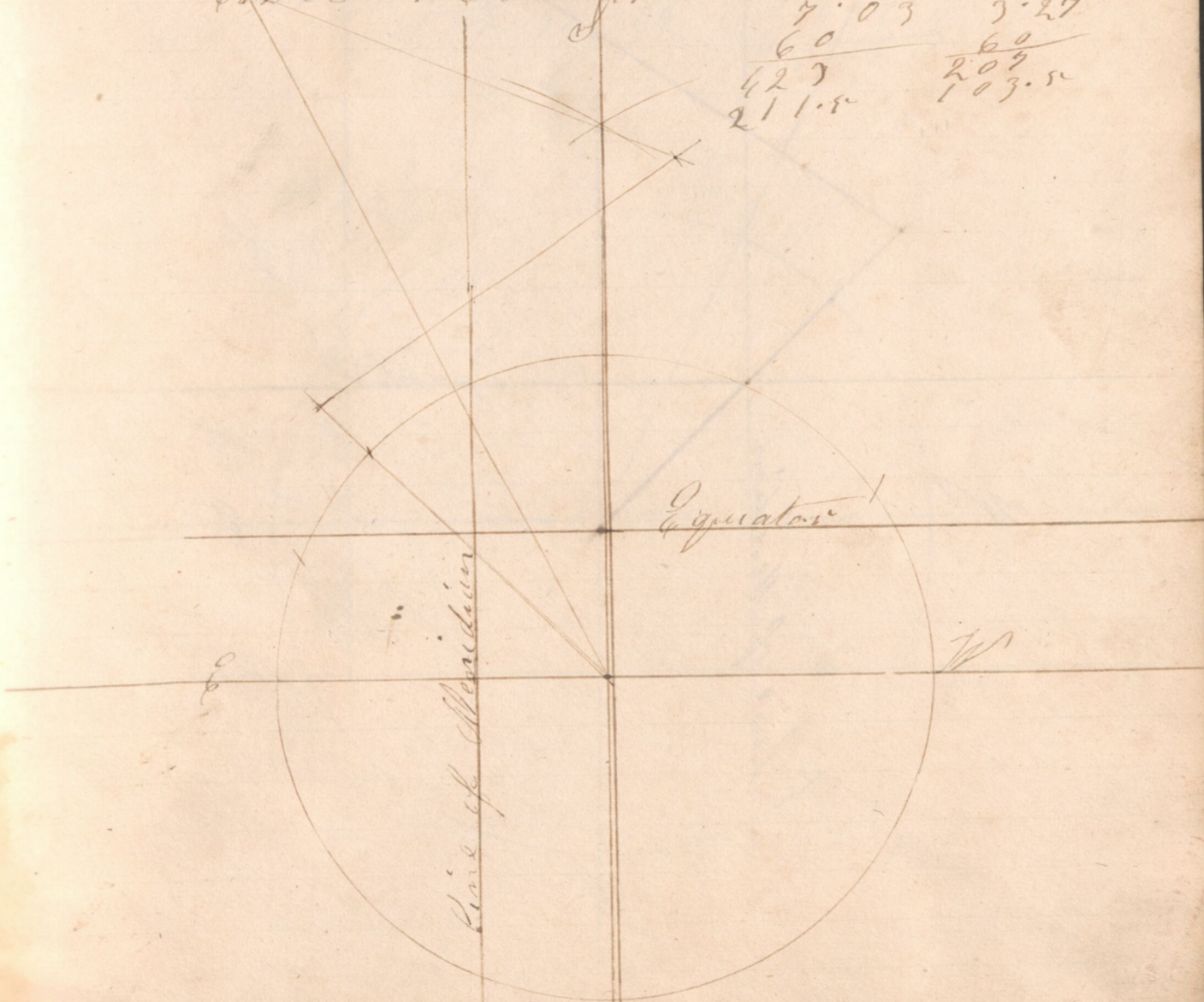
Course	Dist	Lat	Long	Dist	Lat	Long
$SE 24^{\circ}$	260	$1^{\circ} 30' N$	$1^{\circ} 20' W$	169.7	$1^{\circ} 30' N$	$2^{\circ} 19' 5'' W$
$NWSW 264^{\circ}$	264	$2^{\circ} 50' S$	$2^{\circ} 50' E$	146.7	$2^{\circ} 56' 2'' S$	
$ES 278$	278	$1^{\circ} 20' S$	$1^{\circ} 30' E$	106.3		
		$2^{\circ} 27' S$	$3^{\circ} 40' W$			
		$3^{\circ} 47' S$	$2^{\circ} 10' W$			
		$1^{\circ} 46' S$	$4^{\circ} 17' E$			
		$5^{\circ} 33' S$	$2^{\circ} 07' E$			

$60) 170 (2 60) 146 (2 60) 106 (1$
 $120 \quad 120 \quad 60$
 $50 \quad 26 \quad 46$

$60) 256 (4 60) 219 (3$
 $240 \quad 180$
 $16 \quad 39$

Course $27^{\circ} E$ Dist 491 m

Lat	Long
$1^{\circ} 30' N$	$1^{\circ} 20' W$
$5^{\circ} 33' S$	$2^{\circ} 07' E$
$7^{\circ} 03' S$	$3^{\circ} 27' E$
60	60
423	209
211.5	103.5

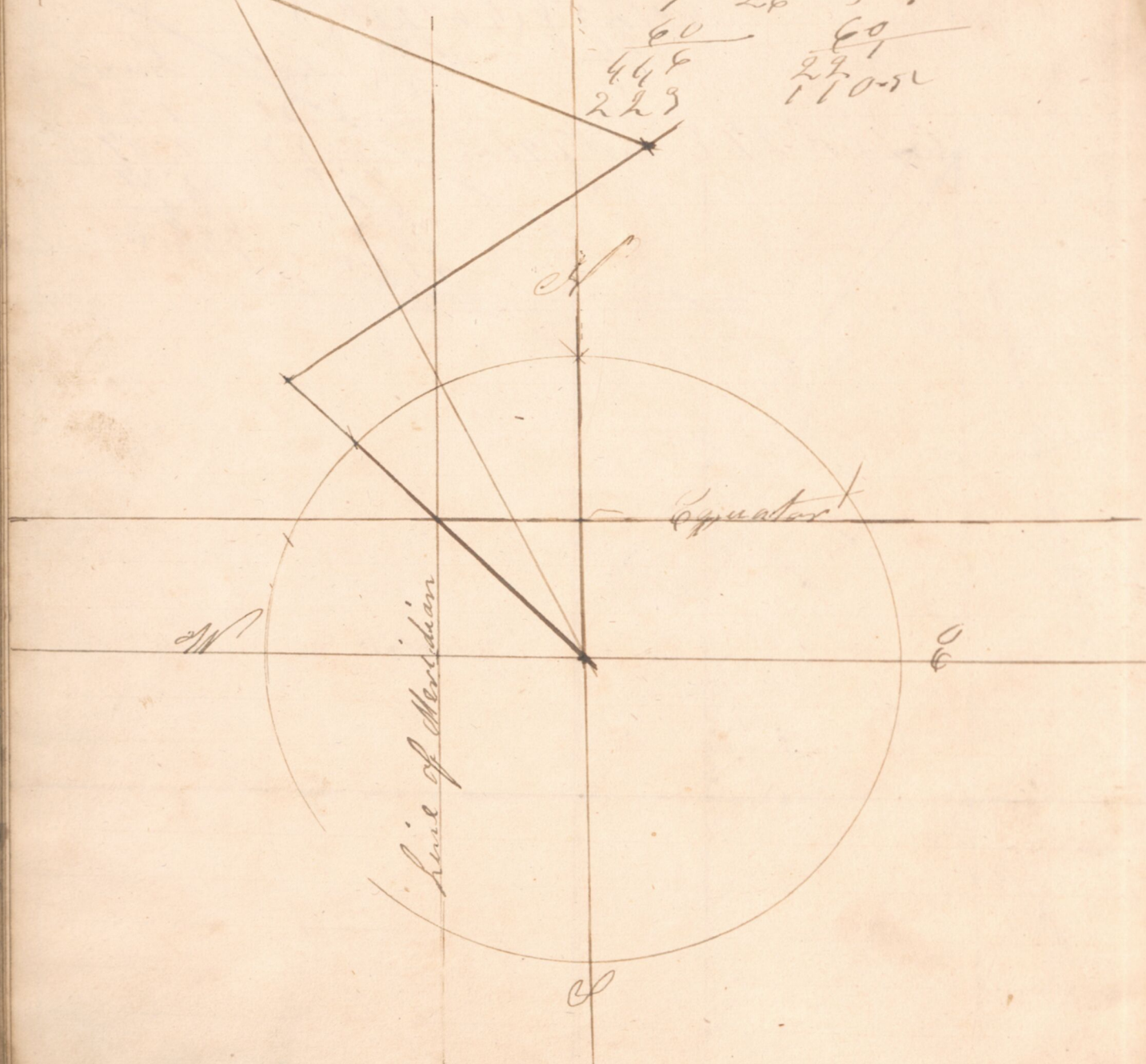


Question A Ship leaves the Lat. $1^{\circ}30'S$
 & the Long $1^{\circ}30'E$ and then sails $NW 260^{\circ}$
 $N 63^{\circ}E 275$ & $W 54^{\circ}W 290$ Required her Lat. & Long. in
 and her bearings & Distance from Lat & Long
 left & her Crossing the lines

Course	Dist	Lat	Long	N	S	E	W
4 $N 74^{\circ} W 260$	1.308	1.308	1838			2289	173.5
5 $N 63^{\circ} E 275$	3.034	3.034	1528				267.9
6 $W 54^{\circ} W 290$	1.334	8.334	111.0				
	2.725	9.492					
	4.054						
	1.540	2.162					
	5.516	4.249					
		2.111					

Course $N 63^{\circ} E 275$ Dist 202

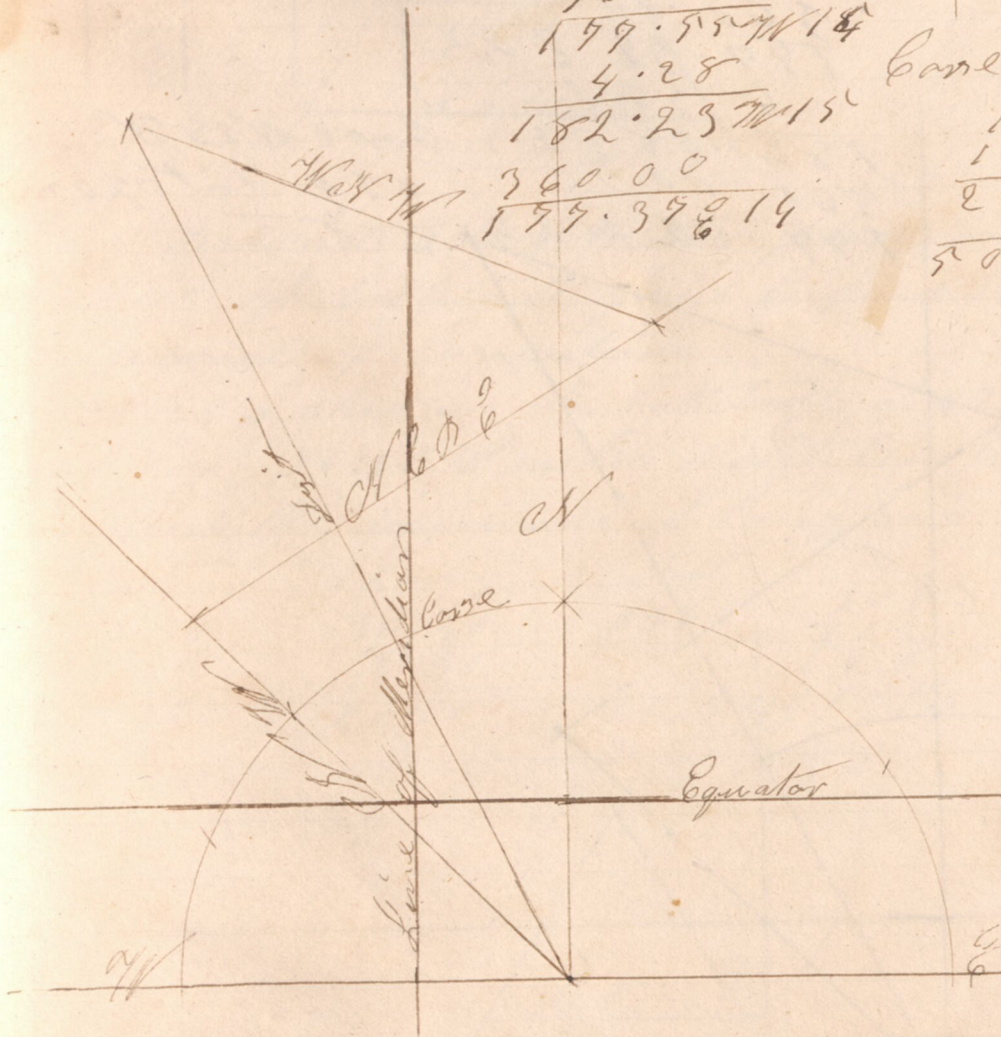
Lat	Long
1.30	1.30
5.516	2.111
7.26	3.41
60	60
448	22
223	110.5



Question A Ship leaves the Lat. $1^{\circ} 30' S$ and the Long. $178^{\circ} 42' W$ and then sails $NW 268^{\circ} N$ $BE 284$ and $WNW 290^{\circ}$ requires her Lat. & Long in and her bearings & Distance from Lat & Long in and her bearings left and her Crossing the Line & it being on 12 of March 1836 I want wish the Data as follows

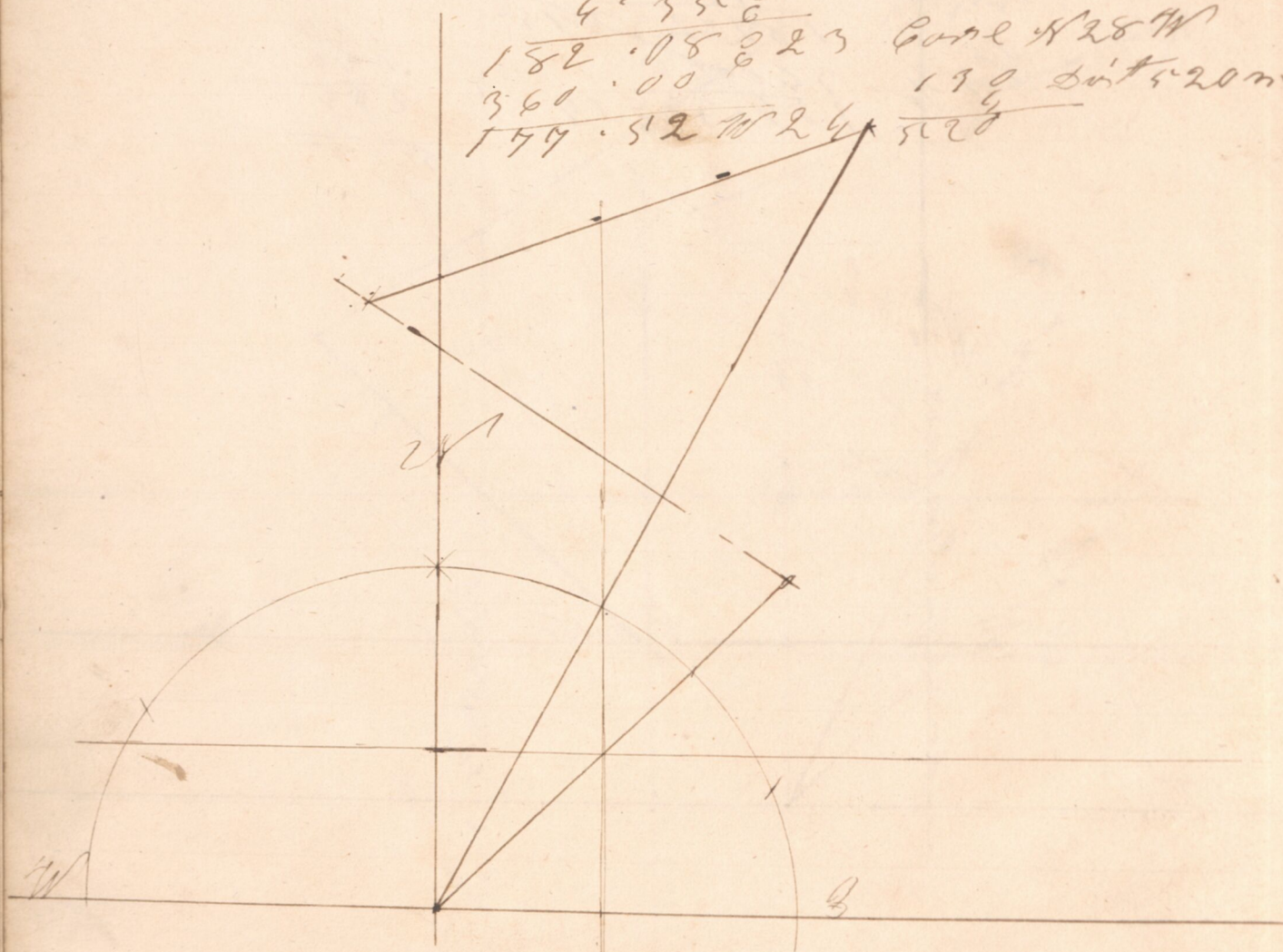
Course	Dist	Lat	Long	March 12th	S	E	N
105° W	268 = 24	1° 30' S	178° 42' W	1895		236	189.5
28° E	284 = 24	3° 09' S	3° 09' W	1598			269.9
105° W	90 = 24	1° 39' S	181° 51' W	1110			459.4
			360 00	458.5			236.1
	2° 38' S		178° 09' E	222.4			221.3
	4° 19' W		3° 56' E	114.8			110.6
	1° 51' S						55.3
	6° 08' S		182° 05' E				
			360 00				

$$\begin{array}{r} 199.55W18 \\ 4.28 \\ \hline 182.23W15 \\ 360.00 \\ \hline 199.39014 \end{array}$$



Question A Ship leaves the Latⁿ in 30th N
the Long 178-30 East and then Sails SE 266^m
S W 284^m & ESE 298^m Required her Latⁿ
& Long in and her bearings & Distance
from Latⁿ & Long left and her Crossing the
line and it being on 20 of July 1837 I
would wish the Dates as follows

Course	Dist	Lat	Long	Date	Time	Wind	Sea	Weather
4 S E	266 = 24	1.30 N	178.30 E	March 20 1881	184.1	236.1		
1 S W by W	254 = 24	3.08 S	3.08 E		157.8	275.9		
6 S E	298 = 24	2.38 S	181.38 E		883.4			
		4.76 S	360.00		114.0	226.1		
		1.54 S	178.32 W		229.9	63.6		
		6.10 S	3.56 W		116.9	61.8		
		182.28 W	23					
		360.00						
		177.32 E	22					
		4.35 E						
		182.08 E	23					
		360.00						
		177.52 W	24					
		180						

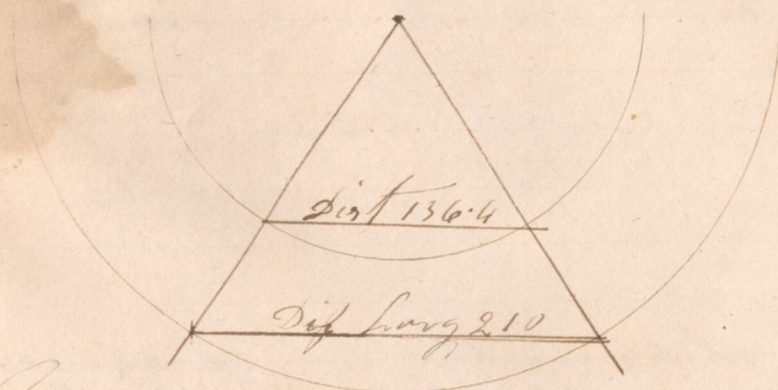


Parallel Sailing

The difference of longitude between two places in the same parallel of latitude being given to find the distance between them

Suppose a ship in the latitude of 49.30 N or S sails directly E or W until her difference of long is 3.30 required the distance sailed

Lat	Long	Dist
49.30	3.30	136.4
90.00	60	272.8
40.30	210	136.4



The distance between two places on the same parallel of latitude given to find their difference of longitude

Suppose a ship in the latitude of 49.30 N or S and long 36.40 W sails directly E or W 136.4 miles required the difference of long and long is

Lat	Long	Dist
49.30	36.40	136.4
90.00	3.30	208
40.30	40.10	212
		420
		60) 210 (3
		180
		30



Questions to Exercise the learner
 Question 1st a ship in the latitude of 32°
 and ~~long~~ sails due E till her difference of
 longitude is 884 miles required the distance sailed

answair 325.6^m

$$\begin{array}{r} S.L \\ 384 \\ 192 \\ \hline 576 \end{array} \quad \begin{array}{r} 162.8 \\ 2 \\ \hline 325.6 \end{array}$$

Question 2 a ship from the latitude of 53.368
 long 10.186 sails due W 236 miles required her
 present longitude

Ans 3.41^m

$$\begin{array}{r} 10.186 \\ 6.97 \\ \hline 3.41 \end{array} \quad \begin{array}{r} 236 \\ 118 \\ 196 \\ 201 \\ \hline 3976 \\ 360 \\ \hline 37 \end{array}$$

Question 3 if 2 ships in the lat. of 44.308
 distant 216 miles should sail directly S
 untill they were in the lat 32.194 what
 distance are they from each other.

Dist

$$\begin{array}{r} 216 = 255 \\ 257 \\ \hline 512 \\ 256 \end{array} \quad \text{Ans } 256 \text{ miles}$$

Question 4 a ship having run due East
 for 3 days at the rate of 5 knots an hour
 finds she has altered her long 8.16 what parallel of lat
 did she sail

$$\begin{array}{r} 24 \\ 3 \\ \hline 72 \\ 5 \\ \hline 360 \end{array} \quad \begin{array}{r} 8.16 \\ 60 \\ \hline 496 \end{array} \quad \begin{array}{r} 180 \\ 248 \\ \hline 428 \end{array} \quad \text{Ans } 43.07^m$$

Question to Exercise the learner

To find the sun's declination

Example I

Required the declination of the sun at the end
of the sea day Oct. 10. 1836 in the Long
of 130° E from greenwich

$$\begin{array}{r} \text{sun's dec.} \quad 6.448 \\ 0.08 \\ \hline 6.368 \end{array}$$

Example II

Required the sun's dec. at noon ending
the sea day of march 12. 1836 in the Long 65°
West from greenwich

$$\begin{array}{r} \text{sun's dec.} \quad 5.118 \\ 4 \\ \hline 5.078 \end{array}$$

for range at the same up & down on the
finds she has altered her long 8.16 what parallel
did she sail

$$\begin{array}{r} 24 \\ 3 \\ \hline 72 \\ 5 \\ \hline 360 \\ 180 \end{array} \quad \begin{array}{r} 81-16 \\ 60 \\ \hline 496 \\ 248 = \text{Ans } 43.07 \end{array}$$

To find the suns declination at any time under any meridian - required the suns declination Oct^r 10-1836 sea account at 8.27 in the forenoon in the long of 130^o E from greenwich

$$\begin{array}{r} \text{suns decⁿ} 6.468 \\ 87 \\ \hline 6.555 \\ 3 \\ \hline 6.558 \end{array}$$

Example 4

Required the suns declination May 10. 1836 Sea account at 5.30 P.M. in the long of 35.45^o E from greenwich

$$\begin{array}{r} 1.38 \\ 3.44 \\ \hline 2.06 \end{array}$$

$$\begin{array}{r} \text{Suns decⁿ} 17.26.29 \\ 2.06 \\ \hline 17.28.35 \end{array}$$

Example 5

Required the suns declination March 26. 1836 sea account at 3 hours P.M. in the long of 140^o W from greenwich

$$\begin{array}{r} \text{suns decⁿ} 1.56.41 \\ 2.56 \\ \hline 1.59.39 \\ 9.08 \\ \hline 2.08.47 \end{array}$$

Variation of the Compass

to find the true amplitude

Example 1

Required the suns true amplitude
at rising in the lat of 39.00° on the 22
of december 18.36

$$\begin{array}{r} \text{Lat } 39.00^{\circ} \quad 10950 \\ \text{Suns Dec } 23.28 \quad 960012 \\ \hline \text{true amp } 31.49 \quad 978962 \end{array}$$

$$\begin{array}{r} \text{Dec } 23.28 \\ \text{Lat } 39.00 \\ \hline \text{Ans } 30.49 \end{array}$$

Example 2

Required the moons true amplitude
at setting in the latitude of 35.08°
where her declination is 13.58

$$\begin{array}{r} \text{Lat } 35.08^{\circ} \quad 108954 \\ \text{Moons Dec } 13.00 \quad 9795209 \\ \hline \text{true amp } 15.58 \quad 949943 \end{array}$$

$$\begin{array}{r} 15.58 \\ 16.09 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 60104(1.44 \\ 60 \\ \hline 44 \end{array}$$

Example 3

Required the suns true amplitude
in the Lat of 42.30° when his declination
was 20°

$$\begin{array}{r} \text{Lat } 42.30^{\circ} \quad 15234 \\ \text{Dec } 20.00 \quad 953405 \\ \hline \text{true amp } 29.38 \quad 966442 \end{array}$$

$$\begin{array}{r} 29.24 \\ 29.59 \\ \hline 29 \end{array}$$

$$\begin{array}{r} 30 \\ 601870(14.30 \\ 60 \\ \hline 270 \\ 290 \\ \hline 30 \end{array}$$

Variation of the Compass
in Latitude 51.52 the suns true altitude
was found to be 39.28 his declination being
then 16.38 required the true azimuth

poler dist 99.22
Latitude 51.52 0.20617
altitude 39.28 0.11239
Sum 164.22
half sum 82.11 9.13358
poler dist 99.22
remainder 8.49 9.99484
19.44695
9.72347 - 58.04 1/2 sum lag cosine
2
true Az 116.08 from the S

in Latitude 42.168 the suns true altitude was
found to be 18.40 his declination being then 4.38
required the true azimuth

90.60
4.38
poler dist 99.38
Latitude 42.16 secant 13096
Altitude 18.40 secant 02349
Sum 158.34
1/2 sum 79.17 cosine 9.26940
poler dist 99.38
rem 18.21 cosine 9.99434
19.40029
sum 9.90048 lag cosine 59.53
2
true Azimuth 119.46 from S

Variation of the Compass

Questions to exercise the learner

Question 1st given the suns altitude corrected for dip refraction Dec 20.46 his declination 17.108 and the latitude of the place 40.384 required the true azimuth

$$\begin{array}{r}
 17.10 \\
 109.10 \\
 40.38 \quad 11982 \\
 20.46 \quad 02917 \\
 \hline
 168.34 \quad 9 \\
 84.17 \quad 8.79830 \\
 109.10 \\
 22.53 \quad 9.96440 \\
 19.11169 \\
 \hline
 9.55584 = 68.55 \\
 2
 \end{array}$$

Ans 197.50 from the S

Question 2 what is the suns azimuth in the latitude of 26.304 in the forenoon when his correct central altitude is 24.25 and his declination 22.404

$$\begin{array}{r}
 22.40 \\
 67.20 \\
 26.30 \text{ secant } 04821 \\
 24.28 \text{ secant } 04086 \\
 \hline
 118.18 \\
 59.09 \text{ cosine } 9.90994 \\
 27.20 \\
 8.11 \text{ cosine } 9.9556 \\
 \hline
 19.99457 \\
 9.89728
 \end{array}$$

$$\begin{array}{r}
 37.52 \\
 2
 \end{array}$$

Ans 75.44 from the S

variation of the Compass

Question 3 at the island of St. Helena
the suns true central altitude was found
to be 30.23 in the forenoon his declination
being then 22.58 required the true azimuth
at that time

$$\begin{array}{r}
 22.58 \\
 67.02 \\
 \hline
 15.15.51 \text{ sec} \\
 30.23 \text{ sec} \\
 \hline
 113.20 \\
 56.40 \text{ coring. } 43994 \\
 67.02 \\
 \hline
 11.22 \text{ coring. } 99285 \\
 \hline
 18.81396 \\
 9.90698 - 36.11 \\
 \hline
 2
 \end{array}$$

Ans 72.22 from the S

Question 4 What point of the compass
did the star aldebaran bear on in the latitude
of 34.23 S on January 1st 1836 when the
altitude of that star was 22.26

$$\begin{array}{r}
 106.08 \\
 34.23 \\
 22.26 \\
 \hline
 162.57 \\
 51.28 \\
 \hline
 106.08 \\
 24.40 \\
 \hline
 9.62370 = 65.08 \\
 \hline
 130.96
 \end{array}$$

from the South

To find the Latitude by Observation

Example 1st

Suppose at the end of the sea day June 21. 18. 56
in the long of 60 W the meridian altitude
of the sun lower limb bearing S was found
by a fore observation to be 40.16 required
the latitude supposing the correction to be 12

$$\begin{array}{r}
 40.16 \\
 12 \\
 \hline
 40.18 \\
 1 \\
 \hline
 40.19 \\
 90.00 \\
 \hline
 49.43 N \\
 23.28 N \\
 \hline
 93.11 N
 \end{array}$$

Example 2nd

Suppose that by a back observation with
a sextant the lower limb of the suns image
was brought to the back horizon and the angle
shown by the index was 106.12 the altitude
of the observer being 22 feet and the correction
for semidiameter parallax and dip being
12 miles required the true latitude
suppose the declination to be 20 S and that
the sun bore it at the time of observation.

$$\begin{array}{r}
 106.12 \\
 12 \\
 \hline
 106.24 \\
 90.00 \\
 \hline
 16.248 \\
 20.008 \\
 \hline
 26.248
 \end{array}$$

To find the Latitude by the Moon

Example 1st

Suppose that on the 27 of June 1836 sea account
in the longitude of 80 W from Greenwich
the meridian altitude of the moon upper limb
to be 40.00 bearing of the eye of the observer
being elevated nineteen feet above the surface
of the sea required the true latitude

9.55.09	16.35.9	60.53.8
<u>10.59.18</u>	<u>16.39.4</u>	<u>61.07.4</u>
69.9	3.9	13.6
14	1	3
<u>10.79.9</u>	<u>16.37</u>	<u>60.56</u>
26.10.10	10	
520	<u>16.47</u>	
26.15.30		40.00.00
23.39.43.2		<u>16.47</u>
4.23.9		39.42.13
<u>23.42.09.1</u>		4.19
		<u>39.38.56</u>
		45.49
		<u>40.24.45</u>
		49.35.15 N
		<u>23.42.09.8</u>
		25.53.08 N
	13.46 Lat	
	5	
	<u>13.53</u>	
	59.42	
	<u>45.49</u>	

To find the Latitude by the Moon

Required the time of the moons passing
the meridian of Philadelphia April 19
1836 sea account

$$\begin{array}{r}
 1.55.6 \\
 2.43.0 \\
 \hline
 47.4 \\
 10 \\
 \hline
 19.2.5.6 \\
 18.2.5.6 \text{ P.M. civil account}
 \end{array}$$

Required the moons declination at the
time of her passing the meridian of
Philadelphia April the 19 1836 sea account

$$\begin{array}{r}
 19.02.5.6 \\
 18.02.5.6 \\
 \hline
 5.1 \\
 18.07.6.6
 \end{array}
 \qquad
 \begin{array}{r}
 21.13.5.2 \\
 5.9 \\
 \hline
 12.14.5.1
 \end{array}$$

$$\begin{array}{r}
 89 \\
 6 \\
 \hline
 594
 \end{array}
 \qquad
 \begin{array}{r}
 10) 594 (59 \\
 \underline{50} \\
 94 \\
 \underline{90} \\
 4
 \end{array}$$

To find the Latitude by the Moon Example 11

Suppose that on the 29th September 1836
Sea account in the lang of 90° the meridian
altitude of the moon lower limb was observed
to be 50.00 bearing south the eye of the
observer being 17 feet above the surface of the
sea required the true latitude

12.42.8		50.00.00
19.28.0		15.41
<u>45.2</u>		50.15.41
11		4.03
13.17		50.11.38
6		35.95
26.07.17		50.49.13
8.49.29	14482	39.12.44
4.06	17	8.54.35.8
8.54.33	101374	48.04.20.8
	14482	
	50) 246194(4	
	240	
	6	
59.10.4	15.32.4	59.42
56.41.4	15.38.9	24.09
20.3	50.5	35.35
12	3	
56.49	15.29	
	12	
	15.41	

Continued

Example 111

Suppose that on the 29 November 1836 sea account
in the long of 150° W the meridian altitude
of the moon's upper limb was observed 60.26 bearing
South required the true latitude

$$\begin{array}{r}
 16.53.1 \\
 19.15.6 \\
 \hline
 45.51 \\
 19 \\
 \hline
 28.16.52 \\
 10.00 \\
 \hline
 29.02.52 \\
 20.41.06 \quad 26 \\
 8.19 \quad 52 \\
 \hline
 20.32.67 \quad 192 \\
 480 \\
 \hline
 60) 4992(8 \\
 480 \\
 \hline
 19
 \end{array}$$

$$\begin{array}{r}
 60.26 \\
 20 \\
 \hline
 60.06 \\
 28 \\
 \hline
 60.34 \\
 29.265 \\
 \hline
 20.335 \\
 8.538
 \end{array}$$

The shell now work example 1 and 11 by this
approximative method

Example 1

$$\begin{array}{r}
 40.00 \\
 20 \\
 \hline
 39.40 \\
 43 \\
 \hline
 40.23 \\
 59.39.00 \\
 23.42.5 \\
 \hline
 35.45.05
 \end{array}$$

Example 12

$$\begin{array}{r}
 50.00 \\
 12 \\
 \hline
 50.12 \\
 36 \\
 \hline
 50.48 \\
 39.12.4 \\
 8.52.4 \\
 \hline
 48.04.4
 \end{array}$$

To find the Latⁿ by a meridian
altitude of a planet

Example 1

Suppose that on the 23^d of October
1836 sea account in the long. of 68° W
Jupiter passed the meridian to the
south ward the meridian altitude
of his centre being observed was 45° 20'
and the dip 4 required the true Latⁿ

$$\begin{array}{r}
 19.05 \\
 4.20 \\
 \hline
 23.25 \\
 18.45 \\
 \hline
 45.20 \\
 5 \\
 \hline
 45.15 \\
 44.45 \\
 \hline
 16.45 \\
 \hline
 61.30
 \end{array}$$

Example 2

Suppose that on the 17th September 1836
sea account in the long. of 45° E Venus
passed the meridian to the S the
meridional central altitude being
observed was 26 and the dip 4
required the true Latitude

$$\begin{array}{r}
 20.59 \\
 5 \\
 \hline
 16.15.59 \\
 16.14.46 \\
 \hline
 26.00 \\
 4 \\
 \hline
 25.54 \\
 64.06.5 \\
 \hline
 1.4.48.5 \\
 \hline
 Latⁿ 49.20.8
 \end{array}$$

To find the latitude by an altitude of the pole star

Example 1st

At 7.9 P.M. June the 3 1836 the observed altitude of the pole star was 16.10 the dip 4 required the latitude of the place of observation

$$\begin{array}{r}
 7.9 \\
 4.44 \\
 \hline
 11.53 \\
 \end{array}
 \qquad
 \begin{array}{r}
 16.10 \\
 4 \\
 \hline
 16.03 \\
 1.29 \\
 \hline
 17.32 N
 \end{array}$$

Example 2.

on the 14 of September 1836 at 2.2 P.M. the altitude of the pole star was 24.16 when the dip was 4 required the latitude

$$\begin{array}{r}
 14.02 \\
 11.28 \\
 \hline
 24 = 1.30 \\
 \end{array}
 \qquad
 \begin{array}{r}
 24.16 \\
 4 \\
 \hline
 24.10 \\
 1.32 \\
 \hline
 22.28 North
 \end{array}$$

Example 3

at 5 P.M. December 5 1838 the observed altitude of the pole star was 25.15 the dip 4 required the latitude of the place of observation

$$\begin{array}{r}
 5.00 \\
 16.47 \\
 \hline
 21.47 \\
 \end{array}
 \qquad
 \begin{array}{r}
 25.15 \\
 4 \\
 \hline
 25.09 \\
 1.01 \\
 \hline
 24.08 North
 \end{array}$$

To find the time at sea and regulate
a watch by the sun's altitude
Example 1

90	13.40	
6.35	54.30 sec	205.85
Pd 96.35	96.35 cosec	002.87
13.32	161.48	9.200.67
12	80.52 cosec	9.964.67
13.44	13.40	19.374.06
4	67.12 sine	9.684.16
13.48 alt		22.8.13
		8
		22) 104(4
		88
		16

Watch too fast 26.45

Example 2

Suppose that on the 10 of May 1836 sea account
at 5.30 PM per watch in the latitude 39.45 N
long by account 35.45 E the altitude of the
sun's lower limb was 15.45 the correction for
dip parallax and semidiameter being 12
consequently the correct altitude 15.54
required the apparent time of observation

90	15.54	
19.29	39.54 sec	115.11
72.30	72.31 cosec	0205.4
15.45	128.19	
12	64.10 cosec	9.639.24
15.58	15.54	5.34.24
4	48.16 sine	9.892.88
15.54		19.64.77
		9.823.88
		2
		22.8.10
		8
		22) 80(3
		66
		14

Watch too slow

Examples to exercise the learner

1st

In latitude 36.59 S the suns declination 9.29 S the latitude of the suns lower limb was observed to be 10.33 in the morning required the apparent time

$$\begin{array}{r}
 90 \\
 9.29 \\
 \hline
 99.29 \\
 10.33 \\
 \hline
 10.45 \\
 51 \\
 \hline
 10.40
 \end{array}
 \begin{array}{r}
 10.40 \\
 36.59 \\
 \hline
 99.29 \\
 146.46 \\
 73.23 \\
 \hline
 10.40 \\
 62.43 \\
 \hline
 19.50662
 \end{array}
 \begin{array}{r}
 09.5866 \\
 00.5993 \\
 9.45632 \\
 9.96891 \\
 \hline
 9.75331
 \end{array}$$

Ans 9.23.52

Example 5

In the latitude 13.17 S suns declination 22.10 S in the morning observed altitude of the suns lower limb 36.26 required the apparent time

$$\begin{array}{r}
 90 \\
 22.10 \\
 \hline
 112.10 \\
 36.26 \\
 \hline
 112.10 \\
 12 \\
 \hline
 36.38 \\
 4 \\
 \hline
 36.34
 \end{array}
 \begin{array}{r}
 36.34 \\
 13.17 \\
 \hline
 112.10 \\
 162.01 \\
 81.00 \\
 \hline
 36.34 \\
 44.26 \\
 \hline
 19.08461
 \end{array}
 \begin{array}{r}
 01.178 \\
 03.3351 \\
 9.19633 \\
 9.845151 \\
 \hline
 9.54230
 \end{array}$$

Ans 9.16.48

Account Method

suppose the on the 10 of october 1836 sea account
at 5.21 AM per watch in the latitude
54.30 N and long 130 E from greenwich
by account the altitude of the sun's
lower limb was 13.32 the corrections for
sine diameter parallax and dip was 12
and refraction 4 required the apparent
time of observation

90.00	90	
15.30	13.40	
38.30	36.20	
	38.30 cosed	205.85
	96.35 cosed	002.84
90.00	211.25	
6.35	105.42 sine	9.98349
96.35	46.20	
	29.22 sine	9.690515
		19.88296
		9.94138
	Ans	8.7.12

Example 2

90.00	90.00	90.00
39.84	17.29	15.54
50.04	72.31	44.06
		50.06 cosed
		71.31 cosed
		196.43
		98.22 sine
		94.06
		24.16 sine
		9.61382
		19.74482
		9.87241
		43
		2

54.34.24
Ans 5.34.25
h m s

11-8.2
2
151.41

Example 111

Required the time of beginning and ending of the twilight in the latitude of $42^{\circ}23'38''$ when the declination is $23^{\circ}27'28''$

$$\begin{array}{r} 90.00 \\ 42.23 \\ \hline 47.77 \end{array} \quad \begin{array}{r} 108.00 \\ 47.77 \text{ cosec} \\ \hline 66.33 \text{ cosec} \end{array} \quad \begin{array}{r} 13156 \\ 03944 \end{array}$$

$$\begin{array}{r} 90.00 \\ 23.27 \\ \hline 66.33 \end{array} \quad \begin{array}{r} 222.10 \\ 111.05 \text{ sine} \\ \hline 108.00 \end{array} \quad \begin{array}{r} 9.96911 \\ 5.051 \text{ sine} \\ \hline 28.73069 \end{array}$$

$$18.86960$$

$$9.43480$$

$$5.7$$

$$23$$

$$\begin{array}{r} 4345.9 \\ 4350.2 \\ \hline 45 \end{array}$$

$$\begin{array}{r} 9.53.44 \\ 4 \\ \hline 9.53.40 \end{array}$$

$$45 \pm 8.23$$

$$8$$

$$\begin{array}{r} 459184(4 \\ 180 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 2.6.16 \\ 4 \\ \hline 2.6.20 \end{array}$$

Therefore the first appearance of the twilight in the morning was at $2.6.20$ and the end of it in the evening at $9.53.40$ apparent time

Lunar Observations by Lyons

Example 1st

Suppose that on the 7th of January, 1836 sea account at 11.57 past midnight mean time in the longitude 127.30 E by account the observed distance of the farthermost limb of the moon from the star aldelbaran was 68.36.00 the observed altitude of the star 34.4 and the observed altitude of the moons lower limb 34.43 required the true longitude

$$\begin{array}{r} 6.12.11.57 \\ 8.30.00 \\ \hline \end{array}$$

$$6.3.41.57$$

$$\begin{array}{r} C* \\ 68.36.00 \\ 15.15 \\ \hline \end{array}$$

$$\begin{array}{r} 68.20.45 \\ 1.20 \\ \hline \end{array}$$

$$\begin{array}{r} 68.22.05 \\ 19.09 \\ \hline \end{array}$$

$$68.02.56$$

$$3.67.41.43$$

$$21.13$$

$$2872$$

$$9286$$

$$6414$$

$$\begin{array}{r} 3.41.6 \\ 12.11.57 \\ \hline 8.30.54 \end{array}$$

$$\begin{array}{r} D \\ \text{Long } 127.42.12 \end{array}$$

$$\begin{array}{r} * \\ 32.14 \\ 4 \\ \hline 32.10 \end{array}$$

$$32.10$$

$$\begin{array}{r} C \\ 34.43 \\ 12 \\ \hline 34.55 \end{array}$$

$$15.05.55.20$$

$$15.10.9 \quad 55.34$$

$$\begin{array}{r} 4 \\ 1 \\ \hline 5 \end{array}$$

$$15.10.6 \quad 55.24$$

$$\begin{array}{r} 9 \\ \hline 15.19 \end{array}$$

$$5418 \quad 5418$$

$$2938 \quad 2423$$

$$9683 \quad 4019$$

$$7539 \quad 11558$$

$$31.44$$

$$12.35$$

$$19.09$$

Lunar Observation by Lyons Methard

Example 2

Suppose 1836 April 2.2.03 at M mean time
sea account in the long of 172.6 by account
the observed distance of the moons farthest
link from antares was 61.4.00 the observed
altitude of the star 68.29 the observed altitude
of the moons lower link 45.23 required
the true longitude

1.14.03.50
11.28.00
1.02.75.50

C*	*	C
61.04.00	68.29	45.23
16.11	4	12
60.47.49	68.25	45.35
1.19		
60.49.08		15.59 5.8.38
		16.04 5.8.56
39.06		5 18
60.10.02		16.00 5.8.42
61.40.13		11
1.30.11		16.11

2348
3001
0653

2.34.52
14.03.50
11.28.58

Long 172.14

4866 4866
0315 1461
9.9411 25.30
4593 8859
1.02.13
23.25
39.06

Lunar Observations by, Layan's

Example III

Suppose that on the 30 Oct: 1834 sea account
in the forenoon in the longitude of 80 W
by account the observed distance of the
Moon from the sun near 111.34.50 the
observed altitude of the sun near 24.55
the observed altitude of the moons near
26.25 required the true long,

$$\begin{array}{r} \text{D} \quad \text{h} \quad \text{m} \quad \text{s} \\ 29.21.43.47 \\ \text{Sun } 20.00 \\ \hline 30.03.03.47 \end{array}$$

$\begin{array}{r} \text{OC} \\ 111.34.50 \\ 14.09 \\ 14.53 \\ \hline 112.05.52 \\ 2.47 \\ \hline 112.08.39 \\ 34.41 \\ \hline 111.33.58 \\ 112.54.10 \\ \hline 1.20.12 \\ 3458 \\ 3511 \\ \hline 0053 \end{array}$	$\begin{array}{r} \text{O} \\ 24.55 \\ 12 \\ \hline 25.07 \end{array}$	$\begin{array}{r} \text{C} \\ 26.25 \\ 12 \\ \hline 26.37 \\ 14.44.54.10 \\ 7 \\ \hline 14.53 \\ 5285 \quad 5215 \\ 3722 \quad 3687 \\ 9.9668 \quad 3909 \\ \hline 8.605 \quad 1.2609 \\ 24.49 \\ 9.25 \\ \hline 34.41 \end{array}$
--	--	---

$$\begin{array}{r} \text{D} \quad \text{h} \quad \text{m} \quad \text{s} \\ \text{Long, } 98.30.04 \end{array}$$

Lunars Continued by Layan's Method

Example 1111

Suppose 1836 April 2. 2. 3. 5. 00 AM mean time
in the lang 1926 by account the observed
dist of the moon from α finch from antares
was 61.04.00 the observed altitude of the
star was 68.29 the observed altitude of the
moons lower limb 45.23 required the
true longitude

$$\begin{array}{r} 1.16.3.50 \\ 11.28.00 \\ \hline 102.35.50 \end{array}$$

\odot^*	*	\odot
61.04.00	68.29	45.23
16.11	4	12
<hr/> 60.49.49	<hr/> 68.25	<hr/> 45.35
1.19		15.59 58.38
<hr/> 60.49.08		<hr/> 16.04 58.56
39.06		5. 18
<hr/> 60.10.02		<hr/> 16.00 58.42
61.40.13		11
<hr/> 6.30.11	<hr/> 16.11	

2348	2.36.52	4866	4866
3001	14.03.50	0314	1462
<hr/> 0653	<hr/> 11.28.58	<hr/> 9411	<hr/> 2530
Lang 192.16		4593	8858
		1.42.31	
		<hr/> 27.25	
		39.06	

Lunar Observations by Bowditch Method

Example 1st

Suppose that on the 9th of January 1836
sea account the observed distance of the
fathernest limb of the moon from the star
Aldebaran was 68.36.00 the observed
altitude of the star 32.14 and the observed
altitude of the moon 34.43 required
the true distance

C		*		C*	
34.43		32.14		68.36.00	
12		4		15.15	
34.55		32.10		68.20.45	15.05 55.20
32.10	9.9682	9.9682		58.25	15.09 55.34
68.21	2355	2355		15.38	4 14
	0000	4212		2.14	3
135.26	1.4018	2232		25.30	1
69.41	1.9055	7489		25	15.06 55.23
68.21				68.03.00	9
09.38				3.67.41.45	15.15
69.43				21.17	
32.10				2872	
35.33				9272	
				6400	
				3.4.14	
				12.11.50	
				8.30.43	

Long 129.40.48

The Same Continued

Example 2nd

Suppose 18.56 April 2. 2. 53.50 at M meantime
in the long of 192° by account the
Observed distance of the moon from the
limb from astras was 61.04.00.

the observed altitude of the star 68.29
the observed altitude of the moon lower
limb 45.23 required the true long

C	*	C*
45.23	68.29	61.04.00
12	4	16.11
45.35	68.25	60.47.49 less 2
68.25		58.47.49
60.48		59.39
174.48		19.32
87.24		41
60.48		1.56
26.36		19
87.24		60.09.54
68.02.50		61.40.13 2348
18.39		1.30.19 2995
		0647
9.9410	9.9410	
4899	4899	2.35.06
0486	1.3433	14.03.50
1.9438	1.954	11.28.44
2.4211	1.9694	
		Long 192.11

Lunar Observations

Example 3

Suppose that on the 30 October 1856 sea account in the long of 80 W by account the observed distance of the sun from the moon was 111.34.50 and the altitude of the suns lower limb was 24.55 and the altitude of the moons lower limb was 26.25 required the true longitude

		C		C	
26.25	24.55	111.34.50			
12	12	16.09			
26.37	25.07	18.59			
25.07	9.9669	9.2669	112.05.52		
112.06	0.994	0.994	110.05.52		
163.50	0633	8520	58.06		
81.55	1.6336	2377	13.10		
122.06	1.7412	14340	3.16		
30.11			13.14		
81.55			15		
25.07			111.33.53		
56.48			112.54.10		
			1.20.17		
			345.8		
			35.06		
			0048		
			29.21.43.47		
			52.20.00		
			30.03.03.47		
			30.02.58.01		
			29.21.43.47		
			5.14.14		
			14.46.54.10		
			7		
			14.53		
Long	78.33.30 W				

Lunar Observations

Example 4

Suppose that on the 12th of May 1836 was
account at 1 P.M. in the latitude of 30° S
in the long 4.00 & by account the following
observation was made

\odot	\odot	\odot	\odot
28.08	39.43	46.09.53.	11.0.44 R.T.
20	12	15.51	
27.48	39.55	15.25	
39.55	30.00	46.37.15	
36.07	109.58	44.37.15	9.8616 9.8616
61.4.20	177.59	58.59	5.279 5.279
57.10	88.56	11.56	0.094 2.658
46.37	39.55	1.04	1.8307 2.215
10.33	49.01	29.55	2.2274 8.766
57.10	06247	34	
39.55	02191	46.13.41	
17.15	8.29988	46.34.02	
	9.87800	20.21	
	18.23206	3099	
	9.11603	9467	
	1.0.05	6390 = 0.41.32	
	3.54	0.56.09	2 in 3
	0.5.09	14.37 = 9.39.15	Long

Lunar Observations by Handwritten

Suppose that on the 13 of February 1836
 sea account at 8.36.00 mean time
 set off in the long of 16th by account
 the distance from the sun and moon
 was observed to be 45.31.31 and the
 altitude of the suns low limb 28.09
 and the altitude of the moons upper
 limb 42.55 required the true long

C	☉	☾	☉ ☾	☉ ☾
42.55	28.09	45.31.31	12.20.36.00	
20	12	16.13	1.04.00	
		16.29	12.21.40.00	
Calc 42.35	28.21		64.04.13	
Calc 28.21			44.04.13	16.18.59.47
add 6.04	985594	985594	58.22	16.17.59.46
sum 19.00	2991	2491	16.41	1
1/2 sum 8.50	0103	2819	2.31	1
add 6.04	1.6874	1878	42.34	16.18.59.47
prod 2.24	1.8542	6242	34	11
58.131			46.04.55	16.29
28.21			21=46.28.04	
2=30.09			23.09	

2554
 8907
 6356
 21.41.39
 20.36.00
 1.05.39

Long 16.24.45 W

Lunar Observations by Turners

Example 4

Suppose that on the 12 of May 1836 sea account at 1 P.M. in the latitude of 30 S and long 40 E by account the following observations of the sun and moon was taking, the sun being so situated that the apparent time could be observed by her altitude required the true longitude

	θ	C	S	L	m
46° 05' 59"	39.63	28.08	RT	11.11.00	
15.51	12	20		16	
15.25	39.55	27.68		11.00.44	
46.37.15	30.00	06244	15247	56.04	
1.07	107.58	02141	15.13	55.49	
46.38.22	157.53	826088	4	40.15	
24.47	88.56	989989		1	
46.13.55	39.55	1825043	15.17	56.03	
46.34.02	49.01	942521	8		
20.24	1.01.20	15.28			
3094	3.34	5.064	5.064		
9446	0.57.26	1927	3312		
6349		9.8615	0248		
		5.609	8627		
0.41.46					
0.57.26					
15.32					
Long 3.53.00					
		49.24			
		24.42			
		24.47			

Lunar Observations by Turners
Example.

Exemple 1.

Example
Suppose that on the 7 of January 18.36
sea account at 11.54 p.m. mid night
mean time is the long of 12.30 &
by account the observed distance of
the fatherest limb of the moon from
the star aldebaran was 68.36.00
and the altitude of the star was 32.14
the altitude of the moons last limb
34.43 required the true long

L h m s
 6.12.11.57
 8.30.00

RTim 6.03.41.549

$$\begin{array}{r}
 68.36.00 \\
 15.15 \\
 \hline
 68.20.45 \\
 1.15 \\
 \hline
 68.22.00 \\
 19.12 \\
 \hline
 68.02.48 \\
 67.41.43 \\
 \hline
 2.05 \\
 3 = 2892 \\
 9313 \\
 \hline
 6441
 \end{array}$$

$$\begin{array}{r}
 \text{h m s} \\
 3.40.51 \\
 12.11.54 \\
 \hline
 8.36.06
 \end{array}$$

Long 129° 46' 30"

$$\begin{array}{r} 9.9683 \quad 4016 \\ \hline 7523 \quad 911575 \end{array}$$
$$\begin{array}{r} 31.44 \\ 12.32 \\ \hline 19.12 \end{array}$$

Lunar Observations

51

Example 2

Suppose 1836 April 2. 2. 03. 50 AM mean time in the long of 192 E by account the observed distance of the moons pattered limb from antares was 61. 04. 00 the observed altitude of the moons lower limb was 45. 23 and the observed altitude of the star was 68. 29 required the true long

			L H in S	
C*	*	C	1. 14. 03. 50	
61. 04. 00	68. 29	45. 23	11. 28. 00	
16. 11	4	12	1. 02. 35. 50	
60. 49. 49	68. 25	45. 35	True	
1. 19				
60. 49. 06			15. 59	58. 38
39. 06			16. 04	58. 56
60. 10. 00			51	58. 42
61. 40. 13			1	4
1. 30. 03			16. 00	58. 42
			11	
2348			16. 11	
3000			4866	4866
0652 = 2. 34. 54			0316	1461
14. 03. 50			9. 94. 11	25. 30
11. 28. 56			4593	8859
			1. 02. 31	
			23. 25	
			39. 06	
D in				
Long 192. 14				

Lunar Observations by Turnans

Case 6

Suppose that on the 21 of June 1836
 sea account at 6.54.40 P.M. mean time
 in the longitude 61.00 W by account
 the observed distance of the nearest
 limb of the moon from the star
 Venus was 35.59.57 the observed altitude
 of the star 23.00 the observed altitude
 of the moons lower limb 47.36 required
 the true longitude

		D h m s	
		20.06.50.40	
		4.04.00	
*C	*		
35.59.57	23.00	39.31	
15.25	4	12	20.10.54.40
36.15.22	22.56	39.43	R Time
1.03		15.10	35.38
36.16.25		15.15	35.59
9.46		5	21
36.26.11		5	19
35.28.17 = 9		75.15	35.57
57.54		10	
		75.25	

2985	5188	5088
4926 9	4093	2134
1941 = 1.55.08	9.792	09.865
10.55.08	6901	5859
6.50.40		
4.05.28	36.45	
D m s	46.31	
Long 61 = 22.00	9.46	

Variation of the Campas

Example 11

The moon's true amplitude at rising
was found to be $E. 15.20 S$ and her
magnetic amplitude $E. 10.00 S$ required
the variation

E 15. 20
 E 10. 00

 25. 20 West

As in this case the true
amplitude is N because
the sun has N declined

Variation of the compass

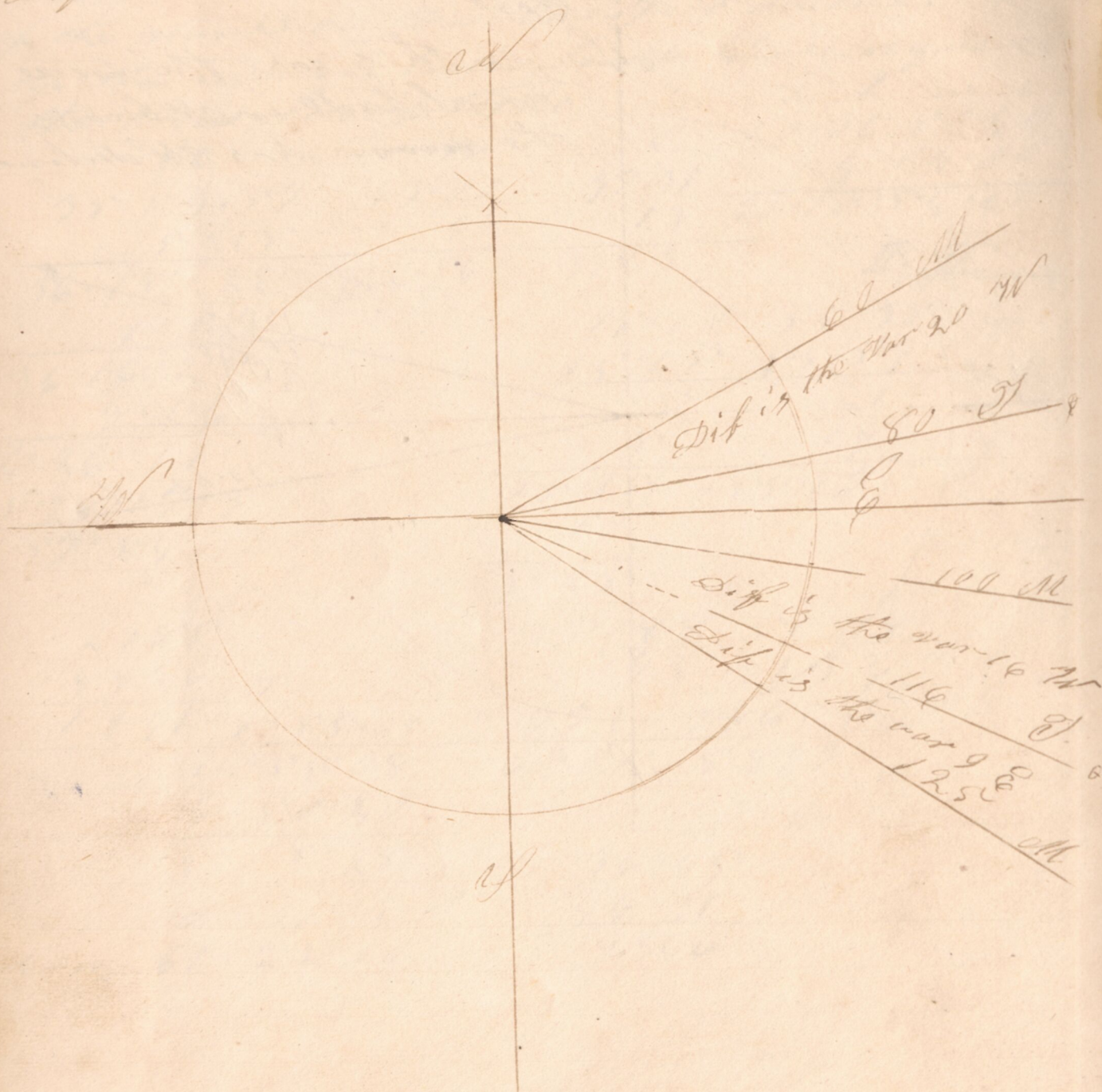
Example II

The suns true azimuth being 80° E
and his magnetic azimuth 60° E
it is required the variation

80° E

60° E

Difference is the 20° variation



A Journal kept on board ship
Carreria on a whaling voyage to the
Pacific Ocean by
Valentine C. Lang

May god bless her with a short voyage
and safe return.

Passage from New Bedford

Friday May the 3^d
First part light winds and thick
weather at 1 P.M. the pilot and
Capt came on board and have shortly
the weather still thick at 3 the
Capt and pilot went on shore
again Middle and latter part
stormy at 4 P.M. the mate
came on board and Mr Caswell
and myself went on liberty
so as to be employed fitting the
boats

Saturday the 4th
First part strong breezes from
W & W and clear weather at 4 P.M.
the ship William and Eliza and
and Parker returned from Cape
horn at 6 the steam boat came in
and I got my letters and then
returned to the ship with Mr
Caswell to let the mate go on
shore to see his wife Middle and
latter part strong winds from
W & W at daylight the pilot came
on board and we have the anchor
up and stood out of the bay
in company with the Deerfield
so as to be employed getting the
anchors on the hoist

Lat 40.55 N
Long 70.46 W

To the islands in May 1839

Sunday May the 5th
First part brisk breezes from W N W
steering S S E Middle and latter part
the same all hands employed fitting
the boats 50000 several sails in sight
Lat 39.25 North
Long 69.36 West

Monday the 6th
First part fine breezes from S S E steering
by the wind heading E S E middle part
strong winds from S W steering S E by S
latter part strong winds from W N W
sends all hands employed making
out the land held plenty of fuel
in sight
Lat 38.39 S
Long 69.50 W

Tuesday the 7th
First part light winds from E steering
S S E with light squalls of rain
middle part the same latter part
fine weather wind from N E
steering S S E all hands employed
fitting the ship and boats 50000
Lat 38.58 N
Long 69.50 W

Wednesday the 8th
First part light winds from N E
steering S S E Middle and latter part strong
winds from W N W steering S under
close reefed and under top sail 50000
1 sail a stormer employed in ship's duty
with one watch
Lat 38.02 S
Long 69.00 W

Passage from Ohio headland

Thursday May the 9th
First part gentle breeze from N
steering E by N with all sail middle
part nearly calm & sail on sight
broke out the fore hold after water
latter part strong winds from W by S W
steering E by S sails employed
in ships duty Lat 34 53 N
Long 59 14 W

Friday the 10th
First part strong winds and
clear weather at 4 P.M. got out 3 barrels
of meat middle and latter part
the same under double reefes
sails employed in ships duty
Lat

Long
Saturday the 11th
First part strong gales from off
steering E by S at 2 P.M. at leagues
to sea and blew harder at
4 took in the lower boat
middle part the same latter part
the wind hauls to N and light
but thick weather at 5 took on the
wind hauls N E heading E S E
at 7 made all sail and put
out the lower boat so ends with
light winds Lat

Long
Sunday the 12th
First part light winds from
N E heading S E at 1 P.M. tacked
heading E S E the wind N E with some
rain did not put on light sails and
sailed from 4 to 8

To the Western Islands in May 1837

Sunday May the 12th

Latter part strong winds and cloudy
from W steering S by E at 8 AM
drew a sail a stern and it proved
to be the Gall Conda at Shee bedford
sands

Lat 40.25 N

Long 52.00 W

Monday the 13th

First part strong breezes from W
steering S by E and clear weather
with the Gall Conda to windward
at 4 PM got out a cask of bread
middle and latter part strong
winds and squally at 9 PM
doubled reefed the topsails and
took in the gill and main sail
at 4 AM made sail again
and broke out the main hatch
after water sound employed
in ship's duty

Lat 39.22 N

Long 49.30 W

Tuesday the 14th

First part strong winds from
W by E and squally at 4 PM
reefed the topsails middle and latter
part the same at 11 AM reefed
at 6 AM made all sail again
sails employed in ship's duty

Lat 39.22 N

Long 48.30

Wednesday the 15th

First part brisk breeze from W
steering S by E middle part strong
winds and clear weather from W by N
latter part rain by sounds employed
in ship's duty


Lat

Long

Passage from New Bedford

Thursday the 16th 1839

First part brisk winds and squally
at 6 AM doubled reefed the top sails
and luffed too heading S.W. middle
part nearly calm at 11 AM it blew
again at 2 PM it moderated away
to a light breeze from N.E. steering S by E
at 4 saw a sail of the weather boat
at 8 saw several large whales to leeward
launched away the boats and at 10 struck
a large whale and got 2 hearts stone
at 12 got him dead and at 2 got him
to the ship sails displayed pattering
for cutting.

Lat 39.14 N
Long 40.18 W 85 lbs
A Boat  601

Friday the 17th

First part light winds from N.E.
heading N.W. at 4 PM hooked on
and began to cut at 9 quilted till
morning middle part strong
winds and squally displayed Crabs
out the blubber room and fitting the
boats at 3 commenced all hands
and began to cut sails.

Lat
Long

Saturday the 18th

First part strong breeze from
N.E. at 8 AM finished heaving the
last midale and rather part light
winds and clear weather at 4 PM
began to cut sails hauling

Lat 39.8 N
Long

To the Western Islands in May 1800

Sunday the 19th
First part light wind at 10
steering S by E under snug sail
at 4 PM saw a breach of the weather
have middle part the same
latter part light winds and pleasant
weather employed hauling to ends
Lat 40

Monday the 20th
First part light winds and pleasant
weather middle part the same at
1 PM finished hauling latter part
the same heading S by W sails
employed cleaning the ship and
hauling the oil Lat 39.50 N
Long 29.10 W

Tuesday the 21st
First part light winds from
S E heading S by W at 4 PM
more ship heading S by E 2 sails
in sight to leeward middle and
latter part much the same several
sails in sight to ends employed
hauling out and stowing down
spare several sails Lat 40.55 in sight
Long 39.45

Wednesday the 22^d
First part gear the breeches from
S W heading S at 2 PM more ship
middle and latter part the same at 4
PM saw a large whale of the blue
kind of but did not see him more at 11
more ship sails Lat 40.45

Long 39.45
Took the boat in to mind her

Offage from New Bedford
Martin

Thursday the 23^d
First part gentle breezes from E
heading W at 4 PM saw a
large whale to leeward and
the boats but did not get him in
more at 6 PM. in the ship
middle and latter part the same
Sails employed in ships duty
Lat 39.10 N
Long 37.12 W

Friday the 24th
First part brisk and squally
from W E heading E at 6 PM
mending the lower boat and put
her over the board at 6 PM. drench
mended the topsails middle part the
same latter part light winds sails
employed in ships duty Lat 38.49
Long 35.09

Saturday 25th
First part light winds from W E
steering E by N middle part the same
latter part light winds from W E
steering E by S sails employed
cooking with 2 rails in sight
Lat 38.16
Long 33.40

Sunday the 26th
First part light winds from W E
steering E by N at 4 PM. saw the
coasting and then washed the ship
middle and latter part the same at 8 PM
saw the land at 11 saw a finback and
a sail a head sails Lat 39.04
Long 31.20

Chapman

May 12 39

the Western wind's lands, you

Monday the 27th

First part light winds from W steering S & with the flourish of the 2, been six 8 logs at 8 AM spoke with Columbus 4 hours and 6 weeks out in air middle part the same latter part light winds from S & steering S & at 4 PM saw 2 gallees and two sails in play a breaking out the after hold and building a potato in a sound

Long

Tuesday the 28th

First part light winds from S & steering S & with the 2 gallees a head middle part calm latter part light winds in play getting the anchors of the bow 30 miles at 10 the Capt and boats crew went ashore

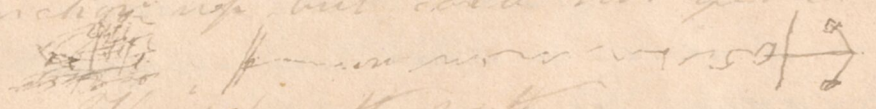
Lat

Long



Wednesday 29th

First part light winds from W steering S & at 4 PM the Capt returned on board and got ready to anchor at 6 anchored in 35 fathoms of water furled the sails got supper and set the watch middle part the same at 2 PM the wind begins to blow at 3 it blows a gale called all hands to heave the anchor up but could not get it round



Thursday the 30th

First part driving gales and rain at 2 PM shipped the chess and put to sea middle and latter part the same so ends standing off and on at 9 PM saw a sail

Lat 79.54

Long

1839

Off the Western Islands in June

Thursday May the 31st
First part strong gales from W standing
off and on at 5 P.M. took in the lower boat
and furled the fore top sail 1 sail a head
middle and latter part the same at 4 o'clock
loosed the fore top sail again sails

Lat 38.52 N
Long 28 35 W

Friday June the 1st
First part strong gales and squally
from W. laying off and on at 5 P.M. saw
a sail middle and latter part more moderate
at 4 P.M. made all sail and stood in shore
and saw 2 sails sails imployed sending
out the fly gill boom Lat 38.39
Long 29.50

Saturday the 2^d
First part light winds from W. & N. at 9
P.M. luffed for off shore heading, S. at 5
more sail heading, S. W. middle part the same
latter part nearly calm sail
Lat
Long

Sunday the 3^d
First part nearly calm at 1 P.M. a light
breeze sprang up from W. steering S. E. at
5 P.M. luffed round under the lee of St. Paul
and sent a boat in to get the anchor
- today the boat returned and said that
the canvas sail had taken it on shore then
the capt. went on shore and at 6 returned
saw the brig and ship at anchor of standing town
in oil and the vessel pike at anchor with 90 bbls
middle and latter part the same at 7 o'clock the barge
came along side with the anchor and chain
and at 9 the capt. and boats crew went on shore
to end disband the barge and sent the oil on shore

Passage from Thal to the Caplewerder, islands
125 500 6 1/2

Tuesday June the 4th 1859

First part light winds and clear weather
at 1 P.M. the barge came off loaded with potatoes
and other recruits and at 4 the Captⁿ came on
board and made sail for sea steering down
between Nic and Thal middle and latter
part brisk winds and rain viz from N.W. to
steering E.W. at 9 P.M. tacked heading S.W.
saw 1 sail sounds employed at stowing the
anchors

Lat

Long

Wednesday the 5th

First part brisk winds and foggy at
10 A.M. tacked heading E.W. middle and latter
part the same at 5 P.M. tacked again heading
S.W. and at 3 P.M. tacked again heading
E.W. and at 1 P.M. tacked again heading S.E.
sounds employed putting the pennants

Lat 38.40 At the last sight

Long 28.44 ~~1/2~~ ^{at Nic}

Thursday the 6th

First part strong winds from N.W. to
heading S at 3 P.M. saw Nic and a ship
off the lee bow middle and latter part the
same at 2 P.M. the wind hauled to E.W. steering
S.W. by S sounds employed in ship's duty

Lat 36 41

Long 29.59

Friday the 7th

First part brisk winds from E.W. steering
S.W. by W middle and latter part light
breeze from E.W. steering S by W saw a
sail a sturge sounds employed rigging
out steering sail

Lat 34.11

Long 29.18

Passage from Fayal to the

Saturday the 5th

First part light winds from W steering, I lay
at 4 PM the wind hauls to W S W heading S
haul in the steering sails and braced up shroups
middle and latter part brisk winds and
squally squalls employed in ships duty

Lat 32 20

Long 26 40

Sunday the 6th

First part light winds from W S W
steering I lay W saw a french brig middle
and latter part nearly calm squalls

Lat 30.41

Long

Monday the 10th

First part light winds from S S E heading
S W middle part calm latter part a light
breeze from the same squalls employed in
ships duty

Lat 39.55

Long 26.21

Tuesday the 11th

First part light winds from S S W
at 4 PM lashed ship heading S E at
4 PM the breeze off E middle part
nearly calm at 11 PM a light breeze from
S E heading S S W at 7 PM she comes up
squalls employed in ships duty

Lat 29.10

Long 25.49

Wednesday the 12th

First part light breezes from S E heading
S by E middle and latter part strong
winds from E S E steering S by E squalls
employed in ships duty

Lat 23 41 00

Long 24 46 W

and things

Cape devonles in June 1858

Thursday the 13th

First part strong breezes from E & steering
by E at 7 AM took in the steering sails and
fore and miz top gallard sail middle and
latter part the same employed in ships duty
so ends these 24 hours

Lat 29.50

Long 23.50

Friday the 14th

First part strong breezes from S & steering
by W middle and latter part the same
employed in ships duty so ends these 24 hours

Lat 20.59

Long 23.38

Saturday the 15th

First part brisk trades from S & steering
by W middle part the wind hauls to
E & at 2 PM it hauls back a gain
at 4 saw a sail off the Larboard beam
so ends employed picking over narrow
and putting the davy tanks

Lat 18.55

Long 23.24

Sunday the 16th

First part light winds from S & steering
by W middle and latter part the
same so ends employed in sundray gals

Lat 17.01

Long

Monday the 17th

First part light winds from S & steering
by S at 9 AM saw the land a head
at 9 took in the top gallard sails and
luffed too with the main yard a back middle
and latter part the same at daylight hup off
for the land and at 9 AM found it to be the
island of St Nicholas took in the steering sails
~~and~~ and were ship heading E & S

so ends

Lat 16.46 Long 24.57

Bound in to Bonavesta in June 1877

Tuesday the 18th
First part light winds from N & heading
E & at 3 PM tacked heading N & at 4 PM
and at 5 PM tacked again heading E with
fresh winds at 9 PM saw salt island
a head sails Latt

Long
Wednesday the 19th
First part gentle breezes N & E heading
E at 2 PM steered off N & E for Bonavesta
at 4 PM came to an anchor in 5 fathoms
cleared up the decks and got up the sails
ready for hoisting middle and latter part
pleasant weather employed bracing, out and
reaching the ship sails

Thursday the 20th
First part gentle breezes and clear weather
at 1 PM finished putting on the copper
and began to stow down again
middle and latter part the same at
11 PM finished stowing down and began
to heave a haul at 12 got the anchor and
put to sea steering N by E sails
employed stowing the anchors

Friday the 21st
First part gentle trades from N & E steering
N by E with the land a storm dist 2 leagues
1 sail in sight middle and latter part the
same sails 1 sail in sight employed
setting up the rigging Latt 13.57

Long
and things

Passage From Bonavesta to Cape Horn

Saturday June the 22d 1839

First part light trades and clear weather
steering S by E middle and latter part the
same steering S by W employed sending up
the main royal yard and getting the
cocks galley aft sails Lat 12.06

Long

Sunday the 23d

First part light trades from S by E steering
S by W saw a turtle middle part the same
latter part rainey sails Lat

Long

Monday the 24th

First part light trades fine rainey weather
steering S by W middle and latter part
light winds and squally from E S E
steering S sails Lat 19.20
1 sail in sight Long 22 20

Tuesday the 25th

First part strong winds and squally
from E S E steering S saw blackfish
and 2 sails middle part nearly calm latter
part variable winds and strong squalls at
5 AM saw a barque to windward at 9 saw
a sperm whale to windward and give chase but
could not catch him sails Lat

Long James

Wednesday the 26th

First part strong winds and squally from
S W heading S E at 4 AM spoke barque
Palatine English sail 38 days out no
oil at 6 saw a rather barque to windward
at 8 broke up garrisoning middle and latter
part light winds from S heading S E at
9 AM tacked heading N S W barque in sight
sails Lat 7 40

Long 21.04

Passage from the Capeverdes Is.

Thursday the 27th
First part light winds from S by W heading
W by S at 1 PM hove a back for the barque
and had a gam at 8 broke up middle
middle and latter part the same barque
in sight so ends employed in ships duty
Lat 9 06

Long 20 14

Friday the 28th
First part light winds from S by W
heading S by E at 4 PM the wind hailed
to S by E heading S by W with squalls
of rain middle and latter part calm
sail a stern so ends employed in ships
duty
Lat 6

Long

Saturday the 29th
First part nearly calm middle and
latter part variable winds and squally
sail in sight so ends employed
in ships duty
Long
Lat

Sunday the 30th
First part light winds and rainey from
S heading W by W at 1 tacked heading
E by S middle and latter part brisk
winds so ends
Lat 06 19 S

Long 19 40 West

Monday the 1st July 1839
First part gentle breezes from S heading
E by S at 3 PM tacked heading W by N
middle and latter part the same gave a sail
to windward employed in ships duty
Lat

Long

and things

Cape Horn in June 1839

Tuesday July the 2^d

First part light winds and rainey from S heading W S W at 3 P M the wind hauls to E & steering S by W at 7 it hauls back to S again on the Western tack and 1 ship in sight middle part the same latter part strong breezes sails imployed in ships duty
Lat 22

Long 20.64

Wednesday the 3^d

First part brisk winds from S heading W S W 2 sails in sight middle and latter part the same same rain and 2 harkbacks sails imployed in ships duty

Lat 22.50 W

Long 21 29 W

Thursday the 4 day of July 1839 and things

First part strong winds and pleasant weather from S heading W S W middle and latter part the same sails

Lat 20.39 W

Long 23 40

Friday the 5th

First part strong trades from S & heading S S W middle and latter part the same sails imployed in ships duty

Lat 2.13 S

Long 24 10 W

Saturday the 6th

First part strong trades from S & steering S S W saw a ship steering to the E & W middle and latter part the same sails

Lat 4.49 S

Long 24.37

and things

Passage From the Cape de vends

July Sunday the 27th
First part brisk trades and clear
weather from S E heading S S W
middle and latter part the
same sounds Lat 07.66 South
Long 25.30 West

Monday the 28th
First part brisk trades and squally
from S S W heading S E middle and
latter part much the same sound from
S E heading S S W sounds employed
fitting the brace pennants
Lat 8.55 S
Long 25.54 W

Tuesday the 29th
First part strong trades and squally
from S E heading S S W middle and
latter part the same sounds employed
fitting block straps Lat 11.6
Long 26.22

Wednesday the 30th
First part strong trades from S E
steering S S W middle and latter
part much the same sounds employed
in ships duty Lat 13.31
Long 27.00

Thursday the 31st
First part strong trades from E S E steering
S by W at 4 PM bent an new fore topsail
middle and latter part squally sound
Lat 16.28
Long 27.50

Friday the 1st
First part light winds and clear
weather at 4 PM bent a main topsail
and top galland sail middle and latter
part the same sail in sight sounds
Lat 19.24 Long 28.20

Round Cape Horn in July 1859

Saturday the 13th

First part light winds from E steering
S S W bent a new main top sail and
gill and fore topmast stay sail middle
and latter part calm soends

Lat 19 20 S

Long 28 30 W

Sunday the 14th

First part calm middle part the
same latter part a light breeze from
S heading W S W 1 sail in sight
soends

Lat 19 36

Long 28 58 ~~W~~

Monday the 15th

First part light breezes from S S E
heading S W at 1 P M saw the island
of Trinidad middle and latter part the
same saw a sail at daylight off the weather
bein and the land off the quarter
soends

Lat 21 03 S

Long 30 12 W

Tuesday the 16th

First part light breezes from S S E
heading S W middle part calm
latter part gentle breezes from W S W
steering S W by S soends unplayed
mending sails

Lat 21 27 South

Long 30 48

Wednesday the 17th

First part gentle breezes and squally
from W S W steering S W by S
middle and latter part much the
same soends

Lat 23 28 S

Long 31 10 W

other things

Passage from the Cap de Good Hope

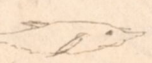
Thursday the 18th

First part strong winds and squally
at 2 PM the wind hauled to S S W
and blew strong took in the top gallant
sails at 4 tacked ship heading West
and saw a sail off the weather beam
and a plenty of pin backs middle
and latter part the same sounds
employed mending sails

Lat. 24.30 South

Long 32.38 West

Friday the 19th

First part strong winds from S S E
heading S W and heavy squally saw plenty
of pin backs middle and latter part much the
same sounds employed sending in
the fly jib and boom Lat 25.56 S
Caught a porpoise 

Long 33.59 West

Saturday the 20th

First part gentle breezes from S E steering
S W by S saw pin backs and hump backs
middle and latter part strong winds from
E S E steering S W by S employed getting in
the anchors and stowing them and lashing
the spars in midships Sailed Lat 28.25

Long 26.14

Sunday the 21st

First part strong winds from E S E steering
S W by S took in the lower boat and hoisted up
the other middle and latter part much the
same sounds Lat 30.58 S

Long 34.50 West

by dead reckoning
and things

a good

75

Cape Horn in July, 1839

Monday July the 22^d 1839

First part gentle breezes from W^{ch} steering S W by S at 4 P M the wind hauls to E S E and light squalls middle part light winds and variable latter part gentle breezes from W^{ch} steering S W by S sails employed making nine gangs, Lat 32.41 S

Long 38.07 W

Tuesday the 23^d

First part gentle breezes from W^{ch} steering S W by S at 4 P M the wind hauls to S S W heading S E at 4 tacked heading W with strong winds at 11 tacked heading S E sails employed sending down the mix top gallant mast and yard and main royal spar at Lat 33.15

Long 39.59 W

Wednesday the 24th

First part strong winds from S S W heading W^{ch} with strong squalls bent amens spraker main and mix stay sail and main sail middle part the same latter part the wind hauls to E steering S W by S sails employed putting the new fore sail Lat 36.25

Long 40.07 W

Thursday the 25th

First part strong winds from W^{ch} steering S W by S at 4 P M took in the west boat at 4 the wind hauls to W and blows on at 2 P M double reefed the fore and mix top sail and at 6 the main top sail sheet parted blew it down and double reefed it and sent down the fore top gallant yard at 11 put the fore and mix top sail and fore sail blot reefed the main and luff top sails Lat 38.24 Long 42.09

Round round Cape Horn in July 1851

Friday the 26th

First part strong gales from S heading
W S W and foggy at 3 PM it begins to
moderate and began to make sail and
steered of the course S W by S at 4 the wind
hauled to S W but moderate with sun rain
middle part scarcely calm and rainy
at 4 AM a breeze sprang up from S W
steering S W by S at 8 nearly calm again
sent down the fore topgallant mast at
10 a breeze sprang up from S E and begins to
blow abed down and abet reefed and at 12 more
moderate sounds. Lat by dead rec 39. 02 S
Long by dead rec 44. 11 W

Saturday the 27th

First part gentle breezes and foggy from S E
heading S W by S at 2 PM made sail again
at 4 it begins to light up and grow cold
middle and latter part variable winds
and foggy from S E to S S W sounds
employed in ship duty. Lat by Dr 40. 14
Long by Chron 45. 00 Long by Dr 45. 34

Sunday the 28th

First part brisk winds from S E steering
S W by S at 4 PM hild the old course with sun
rain middle part strong winds and foggy
latter part the wind hauled to S S E heading
S W and begins to blow on at 6 AM double
reefed the topsails at 4 abet reefed the topsails
took in the gill main sail and fore sail
sounds blowing a gale caught sun gnomes.
Lat by Obs 41. 50 Long by Chron 48. 00

Monday the 29th

First part strong gales from S heading W S W
at 4 PM arose ship heading S S E and set
the fore sail and reefed out of the main topsail

Passage round Cape Horn in July 1839

Monday the 29th

Middle part it blows on a gain at 6 AM furl'd the fore sail and fore and main topsail and at 11 it blows a stronger furl'd the main topsail and let her mud. soends heading S S E

Lat by obs 42.41 South

Long by Dr 45.09 West

So heard hooping that their is better birth days a coming, then this and things 21 years of age to day soends 23, long

Tuesday the 30th

First part strong gales from S heading E S E at 4 PM it begins to moderate loosed the main topsail and set it at 6 set the fore and main middle part strong winds from S W heading S S E at 10 AM it on a gain took in the fore sail and fore and main topsail close reefed the main and let her mud so ends

Lat by obs 43.21

Long by Dr 44.49

Wednesday the 31st

First part strong gales from S W heading S S E at 4 PM it begins to moderate set the fore and main topsail at 6 set the fore sail and reefed main sail and the round hauls to W S W heading S middle part light winds at 2 PM the wind hauls to S and mainey made all sail steered S S W at 4 it begins to blow a gain close down and reefed the fore and main topsail at 12 double reefed the main soends with the wind back again to W S W Lat by obs 44.4 S

Long by account 48.55 W

and things a gad

Letters sent home from in 1859
Kewbedford & Hyall 3 Mayta 2
May the 1st 8 1/2 0
Mayta 1

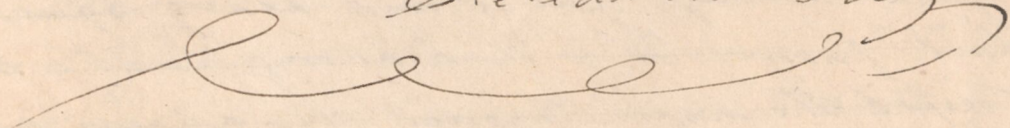
Letters received and names of ships
at New Bedford 4 from A 1 from B
2 from C and 1 from D

Ship Constitution 1 letter of good
I should think that they would
have the pump in their fingers all
off their days for sitting so much.

Out of sight and of mind let them go
on and do their best and things

to good. 1 more from journey
by Ship Splendid Captain
Edgar Towner

May 15th 1840
Now value received
I promise to pay
xx the sum of 20 \$ & costs
with interest from date
xxx

Received Pay


July the 10th 1840
Now value received I promise to pay
Joseph Vanwinckle 12 dollars on ship
Constitution return By Henry

18 11 11

Ship Cambridge, bound round

Thursday Aug the 1st 1839

First part strong winds from W & W steering
S S W & W at 1 P.M. took in the gill at 4 about reefed
the topsails and reefed the main sail and
fore sail and at 11 the wind hauled to S W
and blew a gale took in all sail but
the main topsail and staysails and hove
too heading S S E at 6 at 11 it moderates
saw sat about reef topsails and saw a heavy
steering to the weatherward so ends with some
squalls of hail and snow. Lat by obs 45.50

Long

Friday the 2d

First part strong gales and squally weather
at 4 P.M. set the fore sail and main sail reefed
and at 6 took in the fore sail fore topsail and
main sail and main topsail and bet her in
middle and latter part the same heading from
S S W to S S E so ends Lat 46.50 South

Long

Saturday the 3d

First part strong gales and heavy squalls
of hail from W & W heading S at 4 P.M.
about reefed the main topsail over again and got
a squalling in the harbor middle and latter
part the same at 2 P.M. took in the main
topsail and at 10 set it again so ends
these 24 hours Lat

Long

Sunday the 4th

First part strong gales and squalls of hail
and snow at 1 P.M. wore ship heading
S W at 11 the wind hauled to S S W heading
W latter part more moderate at 4 P.M.
sat about reef topsails and at 10 set the
courses so ends these 24 hours

Lat at 08 Long 49.47

Cape Horn in August 1839

Monday August the 5th

First part strong gales and squalls of hail
and snow at 1 P.M. took in the main sail
and fore sail at 6 took in the fore and
mizen topsail heading N. S. W. middle and
latter part nearly calm at 8 P.M. a light
breeze from S. E. steering S. W. by W. made all
sail soends employed getting out water
and meat Lat 46.54 South

Long

Tuesday the 6th

First part light winds from S. E. steering
S. W. at 4 P.M. bent an eye fore sail at
6 the wind hauls to W. S. W. and thick
snow squalls but light winds at 2 P.M.
the wind hauls to S. E. and blows are taken in
the main sail and double reefed at 10 more
moderate and the wind still keeps hauling
to the south soends there 24 hours

Lat 49.08 S

Long 55.40 W

Wednesday the 7th

First part moderate winds from S. S. W.
heading W. at 4 P.M. wore ship heading
S. S. W. and at 7 the hauls to W. S. W. and
begins to thicken up steering S. W. by W.
middle part the wind to S. W. heading S. S. E.
at 2 P.M. double reefed the topsails latter part
strong winds and thick weather soends there
24 hours at 4 P.M. wore ship Lat

Long

Thursday the 8th

First part gentle breezes from S. S. W. heading W.
made all sail again middle and latter part
a light breeze from S. E. steering S. W. soends
there 24 hours Lat

Long

Voyage Round Cape Horn in August 1835

Friday the 9th

First part gentle breezes from $N\ E$ steering
 $S\ W$ with a topmast and topgallant steering
sails out gave a firm back and sun paperes
middle part nearly calm at 9 o'clock
it begins to blow on from W heading
 $S\ S\ W$ so ends these 24 hours latt $50^{\circ} 10' S$
Long

Saturday the 10th

First part strong from W heading $S\ S\ W$
at 3 P.M. saw like swept the topsails
at 4 took in the gill and main sail
middle and latter part gentle breezes from
 W at 8 P.M. wore ship heading $N\ E$
and at 2 o'clock wore ship again heading
 $S\ S\ W$ so ends with no land in sight
Latt by obs $54^{\circ} 00' S$

Long by Chron $59^{\circ} 30' W$

Sunday the 11th

First part gentle breezes from $W\ N\ W$
steering $S\ W$ at 6 P.M. wore ship heading
 N with no land in sight yet middle part
brisk winds and rain at 11 wore ship heading
 $S\ S\ W$ latter part brisk winds and clear weather
with no land in sight yet so ends

Latt by obs $54^{\circ} 50' S$

Long $59^{\circ} 00'$

Monday the 12th

First part brisk winds and clear weather
from W heading $S\ S\ W$ at 6 P.M. the
wind hauled to $W\ N\ W$ heading $S\ W$ at 8 o'clock
shortened sail and hauled the main yard a back at 3
wore ship heading N by E and at 5 wore ship
again heading $S\ W$ with a strong breeze at 10
saw the land ahead so ends steering $S\ S\ W$

Latt $52^{\circ} 15'$

Long

Off Cape Horn in August 1859

Packerland

Tuesday the 19th

First part strong breezes from S W steering
S S W at 1 P M saw the land to leeward kept
off heading S by E at 2 steered S S W & saw a smaller
island off the starboard bow and a ship ahead
at 6 steered S S W with the wind S W blowing
strong took in the main top galland sail at 8
double reefed the topsails at 11 A M the wind
hauled to W S W heading S W by S and moderate
sunn made all sail at 4 it begins to blow
on again took in the main top galland sail
at 11 double reefed again sails

Lat by obs 56.03 S

Long by lunar 61.06 W

Wednesday the 20th

First part strong winds from W heading
S S W at 5 P M it begins to moderate and
the wind hauls to W S W heading I made
sail again middle and latter part brisk winds
from W steering S S W sails hauled 24 hours

Lat 56.06 S

Long 63.02 W

Thursday the 21st

First part gentle breezes from W S W
steering S W at 3 P M the wind hauls to
S S W set the fore top mast steering sail
at 4 the wind hauls back to W took in the
std sail and braced up sharp again
middle and latter part variable winds and
squalls of same from W to S W sails on
the Southern tack Lat by obs 54.08 S

Long by lunar 62.45

Long by Chron 63.06

Long by Account 62.35

Lat by Account 57.19

And if there is not latitudes and longitudes
a map you must call on the captain for
more and things

Ship Cambrey off Cape Horn in Aug 1845

Friday the 16th

First part strong breezes and heavy squalls of snow from N S W heading, & middle and latter part nearly calm at 6 o'clock a light breeze from E N heading, W S W sails, these 24 hours

Lat 59.55 S

Long 64.35 W

Saturday 17th

First part gentle breezes from E N heading, W S W at 4 P M a strong squall of hail and snow took in the mizzen and sail and single reefed the fore and mizzen topsail middle part calm at 2 o'clock a gentle breeze from E S steering W with all sail out at 4 the wind hauled E S W and blew on at 11 strong winds and squally from E N heading, W S W under double reefs sails

Lat by acc 59.06 S

Long by account 67.54 W

Sunday the 18th

First part strong winds and squally at 2 P M the wind hauled to W S W heading, S W under close reefed at 4 P M wore ship heading

W S W middle and latter part nearly calm sails these 24 hours Lat by obs 56.54 S

Long by lunar 66.40 W

Monday the 19th

First part light variable winds and a plenty of hail and snow at 7 P M a light breeze from the East steering, W S W middle and latter part a strong breeze from E S steering S W by E with heavy falls of snow so ends all hands employed shovelling snow to find the deck.

Lat by obs 57.10 S

Long by account 70.50 W

I think that there must be a strong Easterly Current by the works of things

Ship Cambridge off Cape Horn in Aug. 1838

Tuesday the 20th

First part strong breezes from E & steering W by S with heavy falls of snow at 4 P.M. double reefed middle and latter part much the same winds these 24 hours. Lat by account 56.59 Long by account 89.54

Wednesday the 21st

First part strong breezes from E steering W by S with all sail middle part light winds from E & S steering W S W latter part the wind hauls to S and begins to be squally winds

Lat by account 56.15 Lat by obs. 55.5 S

Long by account 89.15 W

First part Thursday the 22d

gentle breezes from S S W heading W and some squalls of snow middle and latter part strong winds and squally from S & steering W S W at 8 o'clock steered W by S winds these 24 hours in the Pacific Ocean

Lat by obs 54.08 S

Long by account 81.30 W

Friday the 23d

First part brisk winds and squalls of snow and hail from S S E steering W by S at 4 P.M. the wind hauls E S E steering W S W middle and latter part the same employed braked out the main hatch to right the mullasses winds these 24 hours. Lat by acc 54.35

Long by acc 82.25

Saturday the 24th


First part gentle breezes and squally weather from E & S steering S W at 4 P.M. finished stowing of the main hold middle and latter part much the same at 4 P.M. began to brake out the after hatch to cooper the provisions winds these 24 hours

Lat by obs 49.01 S

Long by account 83.05

Ship Caribray Round down the

Sunday August the 25th 1839
First part gentle breezes and pleasant
weather from S & steering S by E at 4 PM finished stowing down the
Caribay side middle and latter part much
the same sounds these 24 hours Lat 46.20 S
Long 83.00

Monday the 26th Captain 
First part gentle breezes from S & steering
S by W at 3 PM saw a large sperm whale
bound to windward dropped down 2 boats
and give chase but could not catch him at
4 returned to the ship and got out the
waik boat and steered off our course a gain
middle and latter part nearly calm at 6 PM
the wind from S W heading S by E at 6 PM
began to break out the E side of the after hold
sounds these 24 hours Lat 46.33 S
Long 83.00 W

Tuesday the 27th
First part light winds from S & steering
S by E at 6 PM finished stowing down
middle part strong winds and squally
at 2 PM double reefed the topsails at 10 PM
blows a gail furl'd the fore and main topsail
and close reefed the main and wore ship
heading S S W sounds these 24 hours
Lat noon
Long noon

Wednesday the 28th
First part strong gales from W heading
W S W at 4 PM it began to moderate
made some sail with a thick fog and heavy
sea at 8 PM wore ship and made all sail heading
S at 3 PM the wind hauled to S W and blew
a gail close reefed the topsails and reefed the main
and let her slide sounds with the wind S W
steering S by W Lat 42.30 S Long 83.00 W

Coast of Chile
Sailed in August 1839

Thursday the 29th

First part strong gales from S W steering
S by W under close reefed and reefed
main sail middle and latter part more
moderate made more sail sails employed
getting the spars aft Lat 39.40 S
Long 83.20 W

Friday the 30th

First part strong winds from W by S steering
S by W middle part strong winds from
W by S steering S by W at 11 AM double reefed
latter part much the same sails these 24
hours Lat 40.00

Long

Saturday the 31st

First part strong winds and foggy
weather from W by S heading S by W
at 6 AM took in the gill and main sail
middle and latter part gentle breezes from
W by S steering S by W sails these 24 hours
employed sending up the fore and main
top gallard mast and yards Lat 34.42

Long by chron 81.15

~~Friday~~ Sunday the 1st September 1839

First part gentle breezes and clear weather from
S W steering S by W at 4 PM saw the land
at 6 called all hands aft and set boats
crews shortened sail and luffed to heading
W by S middle and latter part light winds
and variable sails these 24 hours

Lat

Long

Monday the 2d

First part nearly calm middle and latter
part light winds and pleasant weather from
W steering S by S sails employed getting out
the anchor and sending out the fly gill beam
Lat 32.44 Long 81.20 West

Ship Cambridge off Massafuro in September 1839

September Tuesday the 3^d
First part light winds and pleasant weather
Thom W steering S by E at 9 short bird sail
saw a plenty of pinbacks middle part calm
latter part a light breeze from S by E steering S by E
sends employed picking ship Latt

Long
Wednesday the 4th
First part light breezes and pleasant weather
from S by E heading S by E sent out the
Jelly gill and got up the cutting pennants
a plenty of pinbacks and poppers in
sight middle part the same latter part gentle
breezes from S by E steering S by E at 9 o'clock saw
a sail off the lee bow steering to the S W
sends employed in ship duty

Latt 29.45 S
Long 78.43 W
Thursday the 5th
First part brisk winds and pleasant
weather from S by E steering S by E by 11 saw
a plenty of pinbacks and poppers
employed picking over the potatoes
middle and latter part strong gales
from S by E heading S at 12 past 12 o'clock
hove out and pulled the fore an' main
topsail and fore sail at daylight set
double reefed and steered S by E sends
there 24 hours Latt

Long
Friday the 6th
First part strong gales from S by E steering
S by E at 4 PM pulled the topsails and courses
and luffed to heading S middle part the same
latter part all the same at day light
set double reefed sends there 24 hours

Latt Long 78.45 W
and there

On the Coast of Chili

Saturday the 4th

First part strong winds from S & E and a high sea steering W by N at sunset shortened sail for the night and huffed too heading to the E by N. Middle part strong gales and rugged heading by the wind to the E by N. at 9 o'clock called all hands and took in the fore boat and turned up the others at daylight coaxed the fore and main topsail and steered W by E and saw a brig laying to on the western tack at 11 furled the topsails and bore too heading E and S

Lat 26.08 S

Long 73.48 W

Sunday the 5th

First part strong gales and heavy sea heading to the E by N under close reefed main topsail and staysails middle part much the same latter part more moderate at 9 o'clock steered W by E and made sun sail soends those 24 hours

Lat 25.16 S

Long 72.48 W

Monday the 6th

First part brisk winds and pleasant weather from S steering W by E under double reefed at sundown shortened sail for the night middle and latter part gentle breezes at daylight made all sail and steered E by N employed braking out the main hatch way to regulate things soends these 24 hours with black fish in sight

Lat 23.32

Long

Tuesday the 10th

First part gentle breezes from S heading W by E at sundown shortened sail at daylight made all sail a gain and steered E at 9 o'clock saw the land soend steering in

Lat 23.22 Long 70.48


Adeline C. Locum New Bedford 1839

Ship Cambrai On the Coast of Chili 1899
Moro Moreno ~~in the morning~~

September Wednesday the 11th
First part light breezes from S steering
in for the land at 2 PM warl off
shore heading S by W and shifted
the main and main topsail at sundown
shortened sail middle and latter part
much the same at day light made sail
and steered S by W by W employed painting
the boats sends Lat 21.29 S
Long

Thursday the 12th
First part gentle breezes and pleasant
Weather from S steering S by W by W
middle and latter part the same employed
in shipping day sends. Lat
Long

Friday the 13th
First part gentle breezes from S steering
S by W at sundown shortened sail middle
and latter part the same at day light
Made all sail a gain sends saw black
fish Lat
Long

Saturday the 14th
First part gentle breezes from S steering
S by W by S at sundown
shortened sail and heaved to
heading S S W saw a shoal of black
fish middle and latter part much the
same at daylight made all sail and
steered S by W by S at 10 PM saw
several sperm whales toward and
at 12 struck one sends these 24 hours
No 2  L. Boat Lat 14.32 S
40 bls Long 90.30 W

Mr. Caswell

Johnston Island

Ship Cambridge on the Coast of Chile

September Sunday the 15th 1859

First part nearly calm at 2 PM got
the whail to the ship at 3 began to
cut in at 4 got the head day in and let
the head lay all night at daylight
hooked on and took in the head sails
employed clearing up and washing off

Lat

Long

Monday the 16th

First part nearly calm heading S W
saw plenty of black fish and finbacks
at 2 PM began to hail middle and latter
part light winds heading S S W at 4 PM
wore ship heading S S E employed hauling
sails these 24 hours Lat 18.50

Long

Tuesday the 17th

First part light winds from S E heading
S S E at 2 PM toward the L^y Boat and
struck a black fish but did not get him
middle and latter part strong trades
at 2 PM finished hauling at daylight
steered S S E saw black fish sails
employed washing the ship Lat

Long

Wednesday the 18th

First part strong trades steering S S E
at sundown shortened sail and
steered S W middle and latter part
strong trades and foggy at daylight
steered in for the land at saw finbacks
sails employed ridding down Lat 14.22

Long

Long

1859 September 18th

Ship Commanded on the Coast of Chili

September Thursday the 19th 1833
First part strong trades and foggy
at 2 PM saw the land a head at 4 PM
ship with the land abearing & dist rain
at sundown took in the gill and luffed
close too heading S S E same hump back
fin back and black fish middle and
latter part the same sounds these 24 hours

Lat 19.40 S
Long 99.45 W

Friday the 20th

First part strong trades and foggy
steering W by N at sunset shortened
sail and luffed too middle part much
the same latter part more moderate in play
rattling down sounds these 24 hours

Lat 18.55
Long 99.54

Saturday the 21st

First part brisk trade and foggy
steering W by N at 4 PM saw a sail at 6
shortened sail and luffed too with the
main yard a back heading S S W middle and
latter part much the same same black fish
sounds these 24 hours

Long

Sunday the 22d

First part brisk trades and foggy
steering W by N at sunset shortened
sail and luffed too heading S S W
with the main yard a back middle and
latter part much the same at daylight
braced forward and steered a long by the wind
heading S S W same these 24 hours

Lat 18.38 Long

At 10 AM the ship was
sighted by the land at 11 AM
the ship was sighted by the land at 11 AM
the ship was sighted by the land at 11 AM

Ship Cambria Cruising on the Coast of Chile

1859

Monday September the 23^d 1859

First part strong trades and foggy heading by the wind S S W at sunset took in the fore and main topsail and hauled up the fore sail middle and latter part much the same saw finbacks at 4 o'clock steered by W winds there 24 hours employed in ship's duty. Lat 12. 25 S

Long

Tuesday the 24th

First part strong trades steering by W at 2 saw a spout off the starboard beam luffed too but did not see it again at sunset shortened sail for the night heading S S middle and latter part gentle breezes and thick weather finbacks in sight 24 hours employed in ship's duty. Lat

Long

Long

Wednesday the 25th

First part gentle breezes and thick weather at 4 PM lowered 1 boat after sunfish but did not get him middle and latter part much the same at daylight made all sail at 9 o'clock lowered 2 boats after blackfish struck and drode 50 ends. Lat 10. 45 S



Sunfish

Long



Thursday the 26th

First part gentle breezes and thick weather at 2 PM lowered all boats after black fish struck and hild one and rode him to the ship at sunset shortened sail heading S S W and caught a sunfish middle and latter part the same Lat

Long

6:30 PM and things were beginning to clear up

Ship Cambria on the Coast of Peru 1839

September Friday the 27th
First part gentle breezes and pleasant weather
Leading E N E at sunset shortened sail
and wore ship heading S S W middle
and latter part much the same sails
employed fitting ship. Lat

Long

Saturday the 28th
First part slight winds and pleasant
weather leading S S W saw hump backs
middle and latter part gentle breezes
and pleasant weather saw a plenty
of black fish soends these 24 hours employed
in ships duty Lat 11.46

Long 82.22

Sunday the 29th
First part gentle breezes leading S S W
middle and latter part strong trades
at 2 P M wore ship heading E N E at
day light made sail and wore ship heading
S S W soends these 24 hours Lat 11.46

Co. 0.03

Monday the 30th
First part strong trades leading S S W
at sunset shortened sail middle and
latter part much the same at 4 P M made
sail and wore ship heading E N E saw
black fish soends these 24 hours Lat 13.55

Long

October Tuesday the 1st
First part strong trades leading E N E
at sunset shortened sail and bent
the old fore topsail middle and latter
part much the same at day light
Made all sail soends these 24 hours

Lat

Long 83.27

Ship Combed on the Coast off Peru 1859

October Wednesday the 2d
First part gentle breezes heading E S E
Saw hump backs and sunfish middle and
latter part much the same sounds these 24 hours
Latt

Long
Thursday the 3d
First part gentle breezes heading E S E
saw a plenty of hump backs and
paparis at sunset shortened sail
middle and latter part much the same
at daylight made all sail and wore
ship heading S S W saw hump backs sounds
Latt

Long
Friday the 4th
First part gentle breezes and clear weather
at 4 PM wore ship heading E S E at sunset
shortened sail middle and latter part
the same at daylight made all sail
sounds
Latt

Long
Saturday the 5th
First part gentle breezes and all clear
weather middle and latter part the same
steaming in for the land sounds in place
in ships duty
Latt

Long
Sunday the 6th
First part gentle breezes heading in for
the land saw blackfish hump backs & co
middle and latter part much the same
sounds
Latt

Long

Ship Cambria

Monday the 7th

First part gentle trades and thick weather
at 9 AM were off shore with the main yard
aback at 1 PM were in a gain at daylight
saw the land ahead at 10 the Capt went
on shore at 12 returned without finding
the right place sounds Lat 10.39

Long 77.41

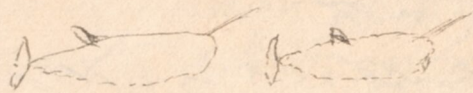
Tuesday the 8th

First part light winds running down
along shore at 2 PM saw the tower of
Sancti Spiritus the Capt went on shore at
7 returned with some potatoes and
all sail and steered W middle and latter
part gentle trades steering W by S
employed painting sounds Lat

Long

Wednesday the 9th

First part gentle breezes steering W by S
employed painting ship middle and
latter part the same saw a plenty of blackfish
at 10 AM hauled 1 boat and got 2 blackfish
sounds Lat



Lat

Long



Thursday the 10th

First part light winds steering
S by W at 2 PM hauled 1 boat
after blackfish and got 1 employed
painting middle and latter part
gentle breezes steering S by W saw
a plenty of blackfish and pinbacks
sounds employed painting and
boiling Lat

Long

On the Coast of Peru in 1859

Friday the 11th

First part gentle breezes steering S by W
at 10 PM luffed too with the main and
a back heading S by W at daylight wore ship
and steered S by E saw a few starling off
blackish sands employed painting

Lat 5. 45 S

Long 82. 20 W

Saturday the 12th

First part gentle breezes wore ship
heading S by W at 4 PM tacked again
heading S by E middle and latter part
the same winds these 24 hours

Lat 5. 38 S

Long 81. 30 W

Sunday the 13th

First part brisk trades heading E at
4 PM saw the land at 5 saw Payta
head having 4 or 5 leagues at sunset
double reefed and hauled the main
yard a back at 10 wore ship and stood
off heading S by W at 2 AM wore ship
in again at 4 wore ship with the
main yard a back at daylight wore
ship and made off sail at 8 saw Payta
head off the lee bow sails employed
bending the cables Lat

Monday the 14th

First part brisk trades steering S by E
Saw Payta at 4 PM came too in 10
feather water. ship Charles of
Olene-belford with 1600 - 22 masted and
had lost the Capt. Moslander and left
Gardener in command

14

Ship Cambria in Bayta ^{October} September 1859

October Tuesday the 15th 1859
Sawber Work all this 24 hours gentle breezes
employed braking out the main hatch and
coal tarring the beams and boats crew on shore

Wednesday the 16th
all this 24 hours employed heaving the ship
and putting on the copper at 4 o'clock ship
Three Brothers came in the harbor and
then stood out a gain at 6 the President
came too in anchor 12 moons and 5000
Three Brothers 1700 28 moons out

Thursday the 17th
all this 24 hours employed painting and
coal tarring at 4 o'clock the Charles and three brothers
left for a cruise at 7 the American came too
in anchor with 900 lbs

Friday the 18th
first part gentle breezes employed
painting & watch on shore

Saturday the 19th
all this 24 hours pleasant weather & watch
on shore got of 10 barrels potatoes 10 of onions

Sunday the 20th
all this 24 hours employed painting
at 6 o'clock an Branch ship left the port

Monday the 21st
all this 24 hours employed in various jobs
at 9 o'clock began to leave port at 10
took the anchor and stood out of the bay
at 12 tacked ship and went in
again saw a Branch Brigget going
in

Ship Cambria Bound to Tomba 1833

October

September Sunday the 22nd

T

First part gentle breezes steering W¹ N¹ W¹
employed stowing the anchors middle part
calm latter part gentle breezes steering E by E
employed getting red day to water saw 2 sails
sawds

Lat 5.35

Long

Monday the 23rd

First part gentle trades steering E by E
middle and latter part the same at daylight
steered E by E latter part the same saw blackfish
sawds employed braking out after water
cask

Lat

Long

Tuesday the 24th

First part gentle breezes steering E by E
at 4 PM saw 2 islands to leeward luffed
too heading S S W at sunset tacked
heading W¹ N¹ middle and latter part
the same standing off and on sawds

T

Wednesday the 25th

First part gentle breezes at 2 PM
came too an anchor in 6 fathoms
Water Charles & Augustus & George and
Susan laying too an anchor at daylight
Went up the river with a raft of cork
sawds with the cook in the dories

Thursday the 26th

All hands employed watering at
5 PM the Charles left for a crew sawds

Friday the 27th

All hands employed stowing down
water and getting of potatose sawds

Ship Cambria Bound on a Cruise in

October Monday the 28th
First part light winds and fine weather
at 4 PM made anchor and stood out
by the wind heading W by W middle
and latter part gentle breezes heading W
saw pinbacks several Lat
Long

Tuesday the 29th
First part gentle trades heading W
saw humpbacks middle and latter part
much the same employed in ship's duty
Lat

Log
Wednesday the 30th
First part gentle breezes heading W by W
middle and latter part the same several
employed in ship's duty Lat
Long

Thursday the 31st
First part gentle trades heading W by W
middle and latter part the same at
4 PM tacked heading S several
employed in ship's duty
Lat 5.30 S
Long 89.00 W

Friday the 1st
First part gentle breezes and
pleasant weather middle and
latter part the same saw pinbacks
several employed in ship's
duty Lat
Long

October 1859 From Tombago

101

November Saturday the 2d

First part gentle breezes and pleasant
Weather heading E by S saw porpoises hump
backs and finbacks middle and latter
part thick weather saw finbacks sounds

Lat 3. 30

Long

Sunday the 3d

First part gentle breezes and pleasant
Weather heading E by S middle and latter
part the same at 2 o'clock tacked heading
N by W at 4 o'clock again heading E by S
sounds

Lat 4. 16

Long

Monday the 4th

First part gentle breezes heading S by E
saw blackfish and finbacks middle
and latter part the same tacking
and half tacking saw a sail to leeward
sounds

Lat 5. 00

Long

Tuesday the 5th

First part gentle breezes steering
in for Payta saw 2 ships at 11
o'clock spoke the Augustus 24 hours at
of Payta middle and latter part
the same at daylight saw Payta head
off the lee bow sounds steering for
Payta

Lat 5. 08

Long 81. 00

Wednesday the 6th

First part gentle trades at 7 o'clock
have a back in Payta harbor the Capt
went on shore and landed the
steward at 4 returned to the ship
and steered out for sea 6 men decide
duty middle and latter part the
same

Lat Long

Ship Cambria In Port in November

November Thursday the 7th 1855

First part gentle breezes steering by the
Wind W & W saw humpbacks middle and
latter part much the same sounds

Lat Long

Friday the 8th

First part gentle breezes heading S W
middle and latter part much the same
saw blackfish and porpoises sounds

Lat 5.17 S

Long 85.20 W

Saturday the 9th

First part gentle breezes heading W & W
at 4 P.M. 4 men got tired of their
situation and was sent to their duty
again 2 more remain yet middle and
latter part light breezes steering W & W
sounds

Lat 5.28 S

Long 85.00 W

Sunday the 10th

First part light trades steering W & W
the other 2 men come to their duty
saw blackfish at sunset shortened
sail and luffed too heading S W
middle and latter part much the same
sounds

Lat 6.14

Long 85.40

Monday the 11th

First part gentle breezes heading S W
at sunset shortened sail and
wore ship heading S & middle
and latter part the same sounds

Lat 5.45 S

Long 86.00 W

Ship Cambria Cruising in the lat^s & Long^s

Tuesday the 11th

First part gentle breezes heading to the
S & middle and latter part much the
same saw blackfish sounds Lat 5.10
Long 89.30

Wednesday the 12th

First part light trades heading to
the S & middle and latter part
much the same at sunset shortened
sail at daylight made all sail
and tacked ship heading S W saw
saw humpbacks Lat 4.50
Long

Thursday the 13th

First part gentle trades heading
S W at 5 PM saw 2 Caribbees in middle
and latter part much the same Lat 5.14
Long

Friday the 14th

First part gentle breezes heading S S W
saw blackfish middle and latter part
much the same sounds Lat 6.21
Long 88.00

Saturday the 15th

First part gentle breezes heading
S S W at 6 AM tacked heading S by E
middle and latter part the same
at 9 AM tacked heading S W and
at 12 tacked again heading S by E
saw a carcass sounds Lat 6.40
Long

Sunday the 16th

First part gentle breezes heading
in shore middle and latter part
breeze at daylight saw 2 ships
to windward at 6 AM tacked off
shore again sounds Lat
Long

Ship Canibria Crossing on Decr 18 38

Monday the 15th

First part brisk trades leading off shore
at 5 AM tacked in again & sail in
sight and finbacks and blackfish
middle and latter part the same

Lat 9.00

Long 89.00

Tuesday the 16th

First part strong trades and squally
middle and latter part the same sail
2 sails and blackfish sounds Lat 9.04

Long 86.54

Wednesday the 20th

First part strong trades and squally
at 5 AM spoke ship Charles with
150 bbls since left tomorrow middle
and latter part much the same saw bump
backs blackfish sounds Lat 6.03

Long 86.50

Thursday the 21st

First part strong winds heading to
the S W in company with the Charles
middle and latter part much the same
at daylight tacked ship to the eastward
saw blackfish Lat 6.40

Long

Friday the 22^d

First part strong winds heading to
the eastward at 4 AM wear ship
to the S W and the Charles kept on
middle and latter part the same
at 11 AM wear ship again sounds

Lat 6.50

Long

Ship Cambria sailing in 89 in
November

Saturday the 23^d

First part gentle breezes heading to
the Eastward at 8 AM were ship to
the S W middle and latter part the same
saw 2 sails to leeward and plenty
humpbacks at 11 AM tacked to the Eastward
again sails Lat 4.10

Long 86.40

Sunday the 24th

First part light trades heading to the
Eastward saw humpbacks middle and
latter part much the same sails with
the Charles in company Lat 4.41

Long 86.00

Monday the 25th

First part gentle breezes at 11 AM
tacked to the S W middle and latter
part much the same saw blackfish
sails with the Charles in company
Lat 8.35

Long 86.40

Tuesday the 26th Mr. Corwin

First part gentle breezes heading to
the S W middle and latter part the
same at 12 AM saw sperm whales
to leeward sails in pursuit of the
Whales Lat 10.01

Long 87.00 Montserrat

Wednesday the 27th

First part strong trades at 4
PM saw leeward the boat's but
could not strike the Charles
in company had got 1 whale
middle and latter part strong breezes
at 2 AM were ship at daylight saw
2 brig's at 6 saw a school of whales leeward
but could not strike at 9 saw another
school bound to the S W sails Lat 10.30

Ship Cambria Cruising in Bahr in 1859

November Thursday the 28th
First part strong trades at 1 PM wore ship to the
Eastward at sunset saw a break off the weather bow
Middle and latter part much the same at daylight
wore ship to the westward. Sailed

Lat 10 32

Long 89 10

Friday the 29th
First part gentle breezes and pleasant
Weather at sunset tacked to the Eastward
Middle and latter part much the same at
7 PM tacked to the S W Sailed

Lat 10 41

Long by Linner 89 15

by Chron 89 45

Saturday the 30th
First part gentle breezes and pleasant weather at
4 PM tacked to the Eastward middle and latter
part much the same at 11 wore ship to the S W
at daylight saw a sail to leeward Sailed

Lat 11 10 S

Long 89 30 W

December Sunday the 1st
First part light breezes and pleasant weather
at 5 PM wore ship to the Eastward middle
and latter part much the same at daylight
tacked to the South saw black fish Sailed

Lat 11 30 S

Long

Monday the 2^d
First part gentle breezes and pleasant
Weather at 4 PM tacked to the Eastward
Middle and latter part much the same
at 9 PM tacked to the South Sailed

Lat 11 30 S

Long

Ship Cambria Cruising on the Sea in December 1853

Tuesday the 3d

First part gentle breezes and pleasant weather
at 4 AM tacked to the eastward at 2 had 6 young
pigs came into the world at 5 saw a sail
a head middle and latter part much
the same at 8 AM tacked to the S W
saw 2 more those all hours Lat

Long

Wednesday the 4th

First part gentle breezes and pleasant
weather at 4 AM saw a sail at 5 tacked
to the eastward middle and latter
part strong winds at 6 AM tacked
to the S W 1 sail in sight saw 2
Lat 11.36

Long

Thursday the 5th

First part strong trades at 4 AM
tacked to the east and saw humpback
middle and latter part much the same
saw 2 Lat 11.18

Long 86.15

Friday the 6th

First part strong trades heading
to the eastward at 3 AM the Charles
past under the lee at 5 tacked
to the S W middle and latter part
much the same saw 2 Lat 11.30

Long 86.40 Mr. Cogswell

Saturday the 9th

First part strong trades and squally
at 5 AM saw a large whale
low ast but right away in and
we came on board and were ship
heading S E at 6 AM were ship
to the S W at 8 AM saw a large whale
low ast and struck got 1 boat stove
saw 2 past to the whale Lat 12.36

Ship Cambria Cruising on Peru in 1815
No 3 ⁷⁴⁸ ~~748~~ Parbbs Fisher

Sunday the 8th
First part brisk breezes at 2 PM
got the whale to the ship and began
to cut middle and latter part strong
breezes at daydight began to cut again
saw 15 seals employed cutting, Lat 12.16
Long

Monday the 9th
First part strong breezes at 4 AM
finished cutting and at 9 began to
hoist middle and latter part light winds
at 10 PM saw a sail seals employed
hauling Lat 12.16
Long

Tuesday the 10th
First part light breezes and pleasant
weather heading to the Eastward employed
hauling middle and latter part the same
at 6 PM wore ship to the S.W. saw
blackfish seals employed hauling
Lat

Long
Wednesday the 11th
First part nearly calm at 2
PM finished hauling middle
and latter part light winds
saw blackfish seals Lat

Long
Thursday the 12th
First part light winds heading
to the S.W. middle and latter
part much the same saw blackfish
at 4 PM tacked to the Eastward
at seals Lat
Long

Ship Cambria in Lat^{deg} 11 Long^{deg} 82
South West

December Friday the 13th 1859
First part light breezes heading to
the Eastward employed making out
middle and latter part much the same
sails employed stowing down.
Lat 11.40

Long
Saturday the 14th
First part gentle breezes heading
to the Eastward at 8 AM fine's head
stowing down middle and latter
part strong trade winds
Lat 11.19

Long 82.21
Sunday the 15th
First part strong trade heading to
the Eastward some blackfish middle
and latter part much the same
at 2 PM wore ship at 6 some a large
school of whales at 8 lowered the
boats at 10 2 boats struck 1 went
of with the live sails past to
the whale Lat 11.00

Long 82.45
Monday the 16th Mr Caswell
First part open the breezes at 2 PM
got the whale to the ship and began
to cut at 6 finished and sat the
watch middle and latter part much the
same at 12 PM wore ship sails
employed hauling Lat 11.00

Long
Tuesday the 17th
First part strong breezes at 8 PM wore
ship and shortened sail middle and
latter part the same sails employed
hauling Lat 11.00 Long 82.45

Ship Cambria Cruising

December Wednesday the 18th
First part strong breezes at 2 PM saw a
sail to leeward at 4 finished hauling
at 5 wore ship to the S W middle
and latter part much the same
sawds. Latt

Long
Thursday the 19th
First part strong breezes heading to
the S W at 2 PM saw a sail ahead
at 6 shortened sail and wore
ship middle and latter part light
breezes at 6 PM wore ship to the S W
sawd nothing in sight Latt.

Long
Friday the 20th
First part light breezes at 5 PM shortened
sail and wore ship to the eastward middle
and latter part the same at 8 PM
saw a topsail schooner to windward
sawds caught 2 dolphins Latt

Long
Saturday the 21st
First part light breezes heading
to the eastward saw pin backs
at 5 PM got out a new starboard
boat middle and latter part much
the same sawd put the oil in
the blubber room Latt
at 8 PM wore ship Long

Sunday the 22d
First part gentle breezes and
pleasant weather middle part
the same at 12 PM hauled a back
latter part much the same sawds

Latt 11.49.
Long

On Peru in December 1839

December Monday the 23^d
First part gentle breezes leading to the
W at 2 PM saw a sail to windward
at 4 spoke ship Magnolia Barman
13 men out coobls and had a gam
middle and latter part strong
windy and squally sounds
1 sail in sight Lat

Long

Tuesday the 24th
First part strong winds and
squally middle part the same
latter part gentle breezes at 6 AM
saw 2 sails and several large whales
at 9 toward the boats and grachol
sounds in pursuit of the whales

Lat

W.D.



W.D.

Long

50 5

50 lbs

Wednesday the 25th
First part light winds and
pleasant weather at 1 PM struck
and killed a whale at 2 took him
to the ship and began to cut
at 6 finished cutting middle
part with winds employed
Clearing away mid 6 to 4 AM
saw 2 sails and flew tag of which
laced away and saw 1
and then lost the school at
11 struck a small whale soundly

Lat 12 14

Long

W.D.

35 5



20 lbs

Ship's Log

December Thursday the 26th
First part brisk winds at 2 PM
got the whale to the ship at 5
finished cutting middle part
employed hauling with a strong
line middle and latter part much
the same at 8 PM saw a ship to leeward
chasing whales kept up sounds bawling
and shouting. Lat 48° 15' Long 20° 15'

Friday the 27th
First part brisk winds at 2 PM landed
and struck and killed a whale at 4 got
him to the ship middle part
bawling by the whale and bawling
ship. Hauled upwards in the same
position middle and latter part
the same at daylight began to cut
at 8 AM finished and began to coil
Lat 48° 15' Long 20° 15'

Saturday the 28th
First part gentle breezes and
pleasant weather heading to the East
middle and latter part much the same
at 8 PM tacked at 4 finished
bawling sounds 2 sails in sight
Lat 48° 15' Long 20° 15'

Sunday the 29th
First part gentle breezes heading to
the S W at 4 PM spoke ship Logan
Brig New Bedford 20 men out 600
and had a gun at 11 broke up and steered
along to the East middle and latter
part the same. Lat 48° 15' Long 20° 15'

Crossing off Callia in 1840

Sunday the 30th
First part gentle breeze middle
and latter part the same at
daylight broke out and began to
show down & sail in sight & soon
employed stowing down
Lat 12.19

Long
Monday the 31st
First part strong breeze at 6
PM quitted stowing and shortened
sail middle and latter part much
the same at 8 finished stowing
down & sail in sight
Lat 12.29

Long
Tuesday the 1st 1840
First part strong breeze middle
and latter part much the same
sails down Lat
years day a good day 85.21


Wednesday the 2^d
First part strong breeze
leading to the S at 6 PM
tacked to the Eastward middle
and latter part much the same
at 12 part of saw several sperm whale
sails in pursuit of the whales
Lat 12.32

Long 85.40 by boat


Thursday the 3^d
First part strong breeze at 12
PM toward the boats the L^y boat struck
and lost all of the oars the H^y boat
struck and got stuck but the line
was came on board middle and latter

Ship Columbia Evening

Gentle breezes laying a back at daylight
 got hauled forward at 4 at all saw several
 large whales low and and struck
 and killed 1. sunders Lat 12 23
 Long 84 40

 Friday the 4th
 First part gentle breezes and pleasant
 weather at 1 PM got the whale
 to the ship got dinner and began
 to cut at 6 finished cutting the
 body and let the head lay all
 night middle part light squalls at
 daylight hooked on to the head at 10 AM
 finished cutting and hoisted forward heading
 to the N W winds hoisting Lat 12 18

^{Sunday} Saturday the 5th
 First part gentle breezes and pleasant
 weather at 2 PM saw a sail to windward
 at 3 PM wore ship to the East middle
 and latter part the same winds
 hoisting Lat 12 08 Long 84 01

 Sunday the 5th
 Monday the 6th
 First part gentle breezes and pleasant
 weather at 4 PM finished hoisting
 middle and latter part much the
 same at 9 PM saw several ships at 11 AM
 saw a large whale sunders after the
 dead whale Lat 12 20 Long 84 25

Tuesday the 9th
 First part light winds and
 pleasant weather at 12 got the whale
 to the ship and began to cut at 6
 finished the Waisley in sight
 middle and latter part the same
 unplayed hoisting Lat 12 14
 Long 84 30

in Lat 12:30 Long 86:30 West

Danwary Wednesday the 8th
First part gentle breezes and pleasant
Weather at 4 PM finished boiling
the dead whale middle part light
squalls latter part fine weather
employed coopers, plenty of
blackfish first in sight and several
sails seen Lat 12:00

Long 86:30

Thursday the 9th
First part fine weather began to
brake out at 6 o'clock at 8 spoke
ship began Briggs had got nothing
since we saw him middle part
nearly calm at daylight began
to stove down saw 2 ships the Capt
and boat crew went aboard of the
Frances Henrietta and got the letter's
sends stowing down Lat 12:06

Long

Friday the 10th

First part gentle breezes and
pleasant weather at 5 PM finished
stowing down and tacked ship
to the S W 2 ships in sight
middle and latter part strong wind
and squally sends Lat 12:49

Long 88:30

Saturday the 11th

First part strong wind and
squally at 4 PM spoke ship

Wakenley Morran 13 men 3600
and had a gun at 10 PM broke up
gunnery and bread fired latter
part the same saw 2 sails to leeward

Lat 12:40 S

Long 88:09 W

Ship: Cambridge Crossing in 12 and 8 1/2

Sunday January the 12th
First part strong breezes steering on the East turn
saw 2 sails middle and latter part
moderate winds sail same blackfish
Lat 12.16 N
Long 84.34 W

Monday the 13th

First part moderate winds steering E by S
at 5 AM saw a brig to leeward at 11 AM saw
ship to the S by at 4 PM were back again to
the Eastward. saw 2 sails to leeward
and a plenty of blackfish Lat 12.32 S
Long 84.79 W

Tuesday the 14th

First part gave the breeze and pleasant weather
at 9 AM were ship to the Eastward at 3 PM
were ship to the S by again latter part much
the same winds Lat 13.01
Long

Wednesday the 15th

First part brisk winds steering E by S at
3 PM saw 2 sails 1 a head the other to
Windward steering off to the W by
at sunset shortened sail at 1 PM spoke
ship Benetta and Corol Sherman
9 miles out 8 PM. latter part strong
winds at 5 PM began to rain
again with the Corol saw a
mackerel ship a strain cloudy
Lat 12.48 N

Long

Thursday the 16th

First part strong trades heading to
the S by at 6 PM were ship and
shortened sail middle and latter
part the same and strong squalls & ship
in sight winds Lat
Long

Ship Cambria Company of Collier 1860

Monday the 14th

First part strong winds and squally steering S.W. at 12 M. shorted ship
board and had a gun and shortened
sail and wore ship middle and
latter part the same at daylight
made sail again wind light

Long

Tuesday the 15th

First part strong winds and
squally middle and latter
part the same saw sail steering
to the S.W. at sunset shortened
sail and wore ship sounds light

Long

Wednesday the 16th

First part strong winds steering
S.W. at sunset shortened sail
and wore ship to the East
middle and latter part the same
at 12 M. wore ship sounds under
double reefes

Lat 13.00

Long 85.04

Thursday the 20th

First part strong winds and squally
leading to the S.W. middle and latter
part the same at 12 M. wore ship
sounds improved fitting ship Lat 13.04

Long 85.20

Friday the 21st

First part strong winds and squally
at sunset shortened sail and wore
ship to the East middle and
latter part the same saw sail
sounds improved fitting the
rigging

Lat 12.45

Long 84.54

Ship Cambria

Wednesday the 22th

First part strong winds and squally
middle and latter part the same
saw 3 unplayed fishing the cutting
black and regaining Lat 12 41
Long 84 45 W

Thursday the 23th

First part strong winds at
sun set shortened sail and wore
ship middle and latter part the same
at daylight wore ship to the S W
at dawn wore ship to the E saw
saw black fish and 3 ships

Lat 12 46

Long 84 32

Friday the 24th

First part gentle trade, and fine weather
middle and latter part the same
steering to the E S E at sun set shortened
sail saw 3 ships Lat 12 45 Long 84 45

Saturday the 25th

First part gentle breeze steering
S W at 6 AM spoke ship Constitution
Ramsdell & crew out 40 miles and
had a gun and got 1 letter a good
middle and latter part the same
saw 3 ships Lat 12 25

Long 84 00

Sunday the 26th

The same as a hour and day steering
different courses saw 3 ships

Lat 12 29

Long 84 40

Cruising off Caldic in 1860

Monday, the 27th

First part gentle breezes and pleasant
steering - at 4th at 5th spoke ship
Magnolia Komar had got 200 blb's
since we saw him -
middle and latter part strong wind,
heading to the E & E at 9th still steered
W & W at noon luffed too heading
E & E 2 ships in sight south

Lat 11 40

Long 96 45

Tuesday the 28th

First part gentle breezes heading
to the S & W at middle and latter part
the same saw blackfish and 3 ships south

Lat

Long

Wednesday, the 29th

First part gentle breezes and pleasant
at 5th spoke ship Robert Edwards
Holland 19 masts out noon and had a
game at 10 took up middle and latter
part the same heading to the E & E
at 1st 00th wave ship and steered from
W to S & W south Lat

Long

Thursday the 30th

First part gentle breezes and pleasant
Weather at 3rd still luffed too at 4th saw
a sail to windward at 6th wave ship
and took in the light sail; middle
and latter part the same at 8th 00th
wave ship again south saw humpback
and blackfish Lat

Long

Ship Cambria Cruising off Callio in 1840

Friday the 1st

First part gentle breezes and pleasant
Weather middle and latter part the same
steering, different courses sailed
pursuing the boats Latt

Long

Saturday the 1st 1840

First part gentle breezes and pleasant
Weather saw blackfish middle and latter
part the same steering different courses
employed mending the lower boat
and pursuing her sails those 2 being
Latt 12 04 South

Long 8 5 30 West

Sunday the 2d

First part gentle breezes and pleasant
Weather steering to the S by E at 4 PM
tipped to the Eastward employed
trailing out after provisions
middle and latter part the same
steering, different courses saw 1 sail
Latt 12 36

Long 8 5 10

Monday the 3d

First part gentle breezes and
pleasant weather heading to the
Eastward middle and latter
part the same same for back
and 2 ships sailed Latt

Long

Tuesday the 4th

First part gentle breezes and
pleasant weather saw 1 sail middle
and latter part the same saw
blackfish sails Latt

Long

Ship Cambria Sailing down the
port topmast off Callis in

February Wednesday the 4th 1840
First part mainly calm heading to
the eastward in played sailing down
the port topmast middle and
latter part calm sounds saw
blackfish Lat 16 30

Long 84 30
Thursday the 5th
First part mainly calm heading
to the eastward at 6 AM got the
barrel mast a tar into a rain
middle and latter part gentle breezes
and pleasant sounds saw blackfish
into 1 sail Lat 16 36

Long 84 30
Friday the 6th
First part gentle breezes and pleasant
weather heading to the S. E. & middle
and latter part the same saw black
fish at 6 AM wore ship to the S. W.
at 3 PM wore back to the S. E. &
sounds in played in ships duty
Lat 16 30

Long 83 30
Saturday the 7th
First part gentle breezes and pleasant
weather at 1 PM wore ship to the S. W.
middle and latter part the same
saw 2 ships sounds in played
in ships duty Lat 12 33
Long 84 44

Sunday the 8th
First part gentle breezes and pleasant
weather 2 sails to windward
at sunset took in the light sails
middle and latter part the
same sounds Lat 12 40
Long 84 50

Ship Cambria On

Monday the 10th
First part gentle breezes and pleasant
Weather saw 1 sail to leeward at sunset
Went ship to the S of middle part
the same latter part squally saunders
Lat 40
Long

Tuesday the 11th
First part gentle breezes and
squally steering ~~to~~ W at sunset
shortened sail and luffed too
With the main yard a back at
daylight made sail and steered
W W W saunders employed in
ships duty Lat 41 49
Long

Wednesday the 12th
First part gentle trades steering
W W at sunset took in the
light sails and luffed too
Heading S of W middle and latter
part the same at daylight made
sail and steered S W W saunders employed
in ships duty Lat 41 49 S
Long 79 21 W

Thursday the 13th
First part gentle breezes and
pleasant weather steering S W
employed fixing the gibb on
middle and latter part strong
winds and squally steering S W W
at 11 to 12 luffed too heading S W W saunders
saw black fish Lat 42 51 S
Long 77 44 W

Lost the dog overboard
Punt

Sever in February 1840

Friday the 14th
First part strong winds and squally
at 2 PM double reefed middle and
latter part the same at 10 PM saw
ship sails and some blackfish

Latt 7.48

Long

Saturday the 15th
First part strong winds heading
S W at 8 PM were ship to the
Eastward middle and latter part
gentle breezes and pleasant weather
at day light made all sail saw
blackfish sails Latt

Long

Sunday the 16th
First part gentle breezes and
pleasant at noon tacked ship
to the S W at sunset took in
the light sails middle and latter
part the same saw blackfish
sails and were ship Latt
at daylight Long

Monday the 17th

First part gentle breezes and pleasant
weather at 8 PM layed after
blackfish but without success middle
and latter part the same at 10
PM saw a school of whales
low and away and struck
saw a boat and charring

Latt

Long

On *Perseus* in 1840
4th ~~W.B.~~ blacksmith February

55th Sunday the 18th
First part light winds and
pleasant at 4 PM got the whale
to the ship and layed by him
all night middle and latter part
the same at daylight began to cut
at 11 AM finished cutting seals
clearing away the head Lat 9.16

Long 88.16

Wednesday the 19th
First part gentle breezes and pleasant
Weather saw blackfish at 11 AM began
to boil middle and latter part
the same saw breeches to windward
employed boiling Lat

Long 88.16

Thursday the 20th
First part gentle breezes and
pleasant weather at 8 PM finished
boiling and saw a large school
of sperm whales to leeward
shortened sail and hauled a
back at 11 PM wore ship to
the S.W. with the main yard
a back at daylight made sail
and wore ship to the W.B. so
early saw blackfish Lat

Long

First part gentle breezes
and pleasant weather at noon
wore ship to the S.W. middle
and latter part the same saw
blackfish seals Lat 9.28

Long

at 2 PM wore ship to
the S.W. East

Remarks on board Feb 27 1840

February Saturday the 22^d
First part gentle breezes and pleasant
Weather at sunset wore ship to
the S W middle and latter part
the same struck a heavy sound

Latt
held the old course

Sunday the 23^d
First part gentle breezes and pleasant
Weather at sunset wore ship to the S W
but did not get any middle
and latter part the same sound

Latt 9.17

Long 89.70

Monday the 24th
First part gentle breezes and pleasant
Weather heading S W at sunset shortened
sail and hauled the main yard a back
middle and latter part the same
sound

Latt 9.16

Long 89.15

Tuesday the 25th
First part strong winds head
at sunset shortened sail
and hauled too heading S S W
middle and latter part the
same at 2 till wore ship to
the S W at daylight wore ship
to the S W sound saw fire back

Latt 9.14 Long

Wednesday the 26th
First part gentle breezes and
squally together under sail
heading S S W middle and latter
part the same at 4 PM wore
ship sound Latt
Long

Remarks on Board Feb²⁷ 1840

Thursday the 29th
First part strong winds and
squally weather heading to
the S.W. at 4 PM went ship
to the N.E. East middle and
latter part the same at daylight went
ship to the S.W. at noon went ship
to the N.E. winds Lat 10.15

Friday the 28th
First part strong winds and
squally at 4 PM hauled after
blackfish but did not strike
middle and latter part more moderate
made same sail winds Lat 9.54

Saturday the 29th
First part brisk winds and pleasant
weather Lead S.W. at 5 PM went ship
saw blackfish fin back by middle and
latter part the same at daylight
went ship to the N.E. winds

Lat 9.57

Long 88.13

March Sunday the 30th
First part gentle breezes
and pleasant at 1 PM went
ship to the N.E. saw blackfish
middle and latter part the same
winds Lat 9.58

Long Maccolla

Monday the 31st
First part gentle breezes
and pleasant weather
at 4 PM the same gaged at 12 PM
saw a school of whales hauled
and struck at the iron broke

middle and latter part strong winds
and squally at 4 PM wave ship to
the S. off sands went to rain
Latt

Long

Tuesday the 3^d

First part strong winds and
squally at noon wave ship to
the W. middle and latter part
the same saw blackfish sands
Latt 9.48

Long

Wednesday the 4th

First part strong winds and
squally at 10 PM wave ship to the
W. middle and latter part
wave moderate saw blackfish sands
Latt 9.20

Long

Thursday the 5th

First part gentle breezes and
pleasant weather head W. employed
sighting the shoals, middle and
latter part the same at 9 AM
saw a dead whale carcass and
took him a long side and cut
him in sands employed
clearing up Latt



Long

Friday the 6th

First part gentle breezes and
pleasant weather at 1 PM began
to hail at 2 PM past 10 PM finished
middle and latter part the
same head W. at noon wave ship
saw blackfish Latt 10.11
Long 9.18 W

Ship Cambria on the
March Saturday the 9th
First part gentle breezes and pleasant
Weather head S by E middle and latter
part the same at noon near ship
sails

Lat 100 58

Long 87 50 W

Sunday the 8th
First part gentle breezes and pleasant
Weather head S by W at sunset shortened sail
and wave ship to the S by E middle and
latter part strong winds sails

Lat 9 51

Long 87. 19

Monday the 9th
First part strong winds and pleasant
at sunset shortened sail and hauled the
main yard a back middle and latter
part the same at noon wave ship
to the S by W sails Lat 9 40

Long 87 25

Tuesday the 10th
First part strong winds and clear
Weather at sunset shortened sail and
wave ship middle and latter part
the same sails at daylight wave ship

Lat 10 12

Long 88. 13

Wednesday the 11th
First part strong winds and
clear head S by E at sunset shortened
sail middle and latter part the
same at daylight made all sail
and wave ship sails Lat

Long

Thursday the 12th
First part gentle breezes and
pleasant head S by W middle and
latter part the same saw blackfish

Coast of Peru in March 1840

March Friday, the 13th
First part calm saw blackish land
1 boat and got more at 4 PM low and
all boats and got 1 took him to the ship
middle and latter part light winds
sailed employed in ship's duty
Lat 9 36
Long 84 39

Saturday the 14th
First part light winds heading S S W
at sunset took in the light sails and
wore ship and let the main yard
come a back middle and latter part
the same at daylight braced forward
and made all sail saunders same
after day, of blackish land
Long

Sunday the 15th
First part gentle breezes and
pleasant weather at noon wore ship
to the S & middle and latter part
the same sailed Lat 9 41
Long

Monday the 16th
First part strong winds and
pleasant head S S W at sunset
wore ship middle and latter
part the same at 4 PM
wore ship at 10 wore back again
sailed Lat 10 18 Long

Tuesday the 17th
First part strong wind and
pleasant weather head E S E
middle and latter part the same
at 9 PM wore ship at 11 PM
at 11 steered N at noon tripled
too heading N E saw braches saunders
Lat Long

H. H. H. Cambria Crossing in Lat 50 Long 57

March Wednesday the 18th 1840
First part strong winds and clear at
sunset shortened sail for the night
middle and latter part the same at
daylight made sail at 10 o'clock steered
at same blackfish sounds Lat

Long
Thursday the 19th
First part gentle breeze and pleasant
steering at 3 o'clock humped sail
and latter part the same at
10 o'clock made a sail at 10 o'clock
Lat 50.00 Long

Friday the 20th
First part gentle breeze and
squally at 2 o'clock luffed too
loading at 3 o'clock toward the
boats after blackfish and got 3 at
7 spoke ship William Roach
saw 200 lbs. laced a
back all night heading at 8 o'clock
at daylight braced forward and
were ship sounds saw blackfish
Lat 40.00

Saturday the 21st
First part brisk winds and
squally steering at sunset shortened
sail and had a gam with William
Roach middle and latter part
squally sounds Lat 6 10
Long

Sunday the 22d
First part gentle breeze and
fine weather steering at 6 o'clock middle
and latter part the same
sounds William Roach in
sight Lat 50.00
Long

Bound to the Gallapagos Islands

Monday the 23^d

First part nearly calm and
squalls of rain in middle and latter
part the same saw black fish steering
W & W towards William Roach
in company. Lat. 4.5.0.

Long 89 48

Tuesday the 24th

First part nearly calm steering
W & W with a plenty of rain
and variables in middle and latter
part the same saws Lat. 5.0

Long

Wednesday the 25th

First part light winds and
rain all day from S & steering S & W
at 4 PM towards all boats after black
fish William Roach in sight middle
and latter part the same saws

Lat. 5.40

Long 88

Thursday the 26th

First part nearly calm middle
and latter part light winds from
S & steering W had a game with
the William Roach saws Lat

Long 88 28

Friday the 27th

First part light winds steering
W & W at sunset shortened sail
and cupped too heading S at daylight
made sail and steered S & W
William Roach in company
saws Lat. 6.0

Long 89. 28

Ship Cambria off the Gallapagos
Shoemaker island

March Saturday the 28th 1840
First part gentle breezes and thick
foggy steering by W a middle part
nearly calm at 2 PM saw Cooks island
at same set it bore N N E Dist 3 leagues
latter part light winds and
foggy steering by S winds Lat 11 30
Charleses and Gardeners island Long 91 30

~~28~~ Sunday the 29th
First part light winds and foggy
at 1 PM saw the land Gardeners island
and Charleses island middle
part light winds standing off and
on saw blackfish and porpoise middle
and latter part light winds at 10 PM
spoke ship Porpoise of Warren & means
out 400 lbs sails Lat 11 39
Long 91 54

Monday the 30th
First part light winds from E
heading S by E middle and latter part
the same at 10 PM wore ship heading S by E
winds Lat 12 20 Long 92 25

Tuesday the 31st
First part light winds from S by E
heading E by S middle and latter
part the same at daylight saw
a sail winds Lat 12 20
Long 92 40

Wednesday the 1st
First part light winds from
E heading N N E at 1 PM saw
Charleses island bearing N Dist 30 miles
middle and latter part the same at
10 PM wore ship heading S at day
light wore ship heading S by W at 8
saw the large sands Lat 12 50 Long 91

Bound up the Coast again

April This day the 2d 1840
First part light winds heading S E
saw poplars middle part calm
at day light a light breeze from S E
went ship to the east at 11 went
ship to the S E wind E by S sails
Lat 2.08

Long 90.34

Friday the 3d
First part light winds from
E heading S E middle and latter
part the same sails saw
fir back Lat 3.28 Long 90.54

Saturday the 4th

First part light winds from
E by S heading S by E middle part
the same latter part strong winds
heading S by W sails saw fir back

Lat 4.33

Long 91.31

Sunday the 5th

First part strong winds heading
S by W at 3 PM went ship heading
W by E middle and latter part
the same at 9 PM went ship to
the South sails Lat 4.34

Long 90.69

Monday the 6th

First part gentle breezes and
pleasant head S by W middle
and latter part the same at 10
PM went ship heading W by E
sails saw blackish Lat 6.00

Long 91.00

Cruising, On Tame in April 1840

Tuesday the 9th 1840

First part gentle breezes and pleasant
Weather head S by E middle and
latter part the same at 5 saw
a ship to windward at 4 more ship
to the south at day light saw
a barque steering off to the E by N
saw a

Lat 6.08 Long 90.44

Wednesday the 10th

First part brisk winds from S by
E heading S by E middle and latter
part the same at 9 at 10 detached ship
to the south saw a

Lat 6.08 Long 90.05

Thursday the 11th

First part gentle breezes and
pleasant at 4 saw detached to
the S by E middle and latter part
the same saw a Lat 6.08 Long 89.40

Friday the 12th

First part gentle breezes head S by
at noon detached heading S by E middle
and latter part the same at day light
saw ship at noon more ship
again heading S by E saw a

Lat 6.08 Long 89.40

Saturday the 13th

First part light winds
heading S by E at 12 saw two
boats after blackish middle and
latter part strong winds at 8
at 10 saw ship to the S. W.
at noon more ship to the East
saw a Lat 6.08 Long 89.40

Beating to Windward in April 1840

Sunday the 12th
First part strong winds heading to
the S & S middle and latter part
the same at noon wore ship
sails. Lat 84 51 Long

Monday the 13th
First part gentle breezes and
pleasant at 6 PM wore ship
heading N & by E middle and latter
part the same at 2 PM wore ship
to the South sails. Lat 6 23
Long 87 40

Tuesday the 14th
First part gentle breezes and pleasant
head at 2 PM wore ship to the S & S
middle and latter part light
variable winds backing and half
backing sails with the sun rain.
Lat 6 22
Long 87 30

Wednesday the 15th
First part gentle breezes
from S heading S & S middle and
latter part variable winds and
squally heading S & S sails
Lat 9 12 S
Long 89 04 West

Thursday the 16th
First part light winds head
S & S at 4 PM wore ship heading
N & by E middle and latter part
the same wearing to the East
sails. Lat 8 40
Long 86 54

Ship Cambria

April Friday the 17th
First part light winds heading
SSE at 4 AM wave ship and
boarded 1 boat after blackfish
and got 1 ~~small~~ middle and latter
part the same winds springing the
fore topgallant yard sent it down
and spliced it Lat 6.24

Long 86.36

Saturday the 18th
First part gentle breezes and pleasant
heading SSE sent up the fore topgallant
again middle and latter part the
same at 6 AM wave ship to the
SW winds Lat 6.11

Long 86.16

Sunday the 19th
First part gentle breezes
and pleasant at sunset
shortened sail and wave
ship to the SSE middle and
latter part the same winds

Lat 5.59 Long 86.03

Monday the 20th
First part gentle breezes and
pleasant head SSE at sunset
wave ship to the SW middle
and latter part the same
at 10 AM wave ship at day
light wave back winds mending
sails Lat 5.52 Long

Tuesday the 21st
First part gentle breezes
and pleasant head SSE middle
and latter part the same winds
employed mending the flygill

Lat 6.39 Long

Long

On Peruv in 1840

April Wednesday the 22^d
First part gentle breezes and
pleasant weather head of ship
employed mending the flygile
middle and latter part the
same at daylight wore ship
at 9 AM saw a large breach
toeward run of but did not
see it any more sandy
Lat 6.54
Long

Thursday the 23^d
First part gentle breezes
head of ship middle and latter
part the same at 2 AM wore ship at
daylight wore ship again saw a plenty
of pin backs sandy Lat 6.48
Long 85.37

Friday the 24th
First part gentle breezes and pleasant
at 4 AM lashed to the S.W. middle
and latter part the same sandy
saw blackfish Lat 5.31
Long 85.39

Saturday the 25th
First part gentle breezes, head of
ship middle and latter part head
of ship sandy Lat 8.23
Long 85.00 W

Sunday the 26th
First part brisk windy head
of ship middle and latter
part the same at 6 AM saw
a sail toeward sandy
Lat 9.44
Long

Ship Cambria in Snow

April Monday the 28th
First part gentle breeze head
S 1/2 W a barque in sight at sunset
west ship middle and latter part
the same at daylight. had a rampos
with the men soundly Latt

Long
Tuesday the 28th
First part gentle breeze and ple
ent ready to the S 1/2 E Cook and
William Sanders in mms middle
and latter part brisk wind
employed stowing down
the oil soundly Latt

Long
Wednesday the 29th
First part brisk trades
heading S 1/2 E middle and
latter part the same in pla
ed making out to sight the
water bark soundly Latt 8.10

Long 9.12
Thursday the 30th
First part brisk winds
heading S 1/2 E in plumed making
out to sight the water bark
middle and latter part the same
employed setting up shooks
for water Latt 8.00

Long
Friday the 1st
First part brisk trades heading S
to the S 1/2 E middle and latter
part the same employed setting
up shooks soundly Latt 8.20

Long 8.22

May Saturday the 2d
First part gentle breezes and foggy
Leading R & middle and latter
part the same at midnight
shortened sail at day light
made all sail and saw the land
Payta Point & points off the
lee have saunders employed
setting up shacks. Lat 5.28

Long 81.31

Sunday the 3d
First part gentle breezes and
pleasant steering off for Payta.
several Callenmanadvanes in sight
at 6 AM luffed in round Payta Point
and the Captain went ashore at 4 the
boat returned and stood off for the
night 2 ships at anchor middle and
latter part light breezes at 11
luffed to in Payta harbor the boat
went on shore saunders

212

Monday the 4th
First part gentle breezes at 1
AM the boat returned bent the
Chances red day to come too an
anchor at 6 came too with a
little trouble round the rocks
brisk trades saunders employed
painting

Tuesday the 5th

Compresses with brisk trades
employed painting at 4 AM
the Splendid left the port
middle and latter part fine
weather 1 patch on Pikes Bay
at 10 AM the Parker came in
8 masts and 4500 lbs

Laying in Payta

Wednesday the 6th
Fine weather imployed painting
1 Watch on Liberty middle
and latter part fine weather
imployed painting and fitting
the halstays

Thursday the 7th
First part fine weather
middle and latter part the
same 1 watch on Liberty
4 men run a way imployed
in ships duty

Friday the 8th
First part fine weather
1 watch on Liberty 2 more
men run a way middle and
latter part the same imployed
setting up shroues and getting
sails set

Saturday the 9th
All this 24 hours gentle
breeze one half of the men on
Liberty 1 more run a way

Sunday the 10th
All this 24 hours pleasant
weather one half of the men on
Liberty had suns company
seen 2)

Monday the 11th
All this 24 hours fine weather
at 6 AM the Frigate Constatia
came in and a rather
ship in sight all hands
on board ready got up 20
lbs potatoes

May 1840

May Tuesday the 12th
all this 24 hours fine weather
all hands employed in
ships duty had a look at
the Constitution

Wednesday the 13th
all this 24 hours fine weather
at noon a English whailer and
a French Merchant man came in
sailed all hands on board

Thursday 14th
all this 24 hours fine weather
shipped 4 spar cards and 2
americans from the Constitu-
tion sailed

Friday the 15th
all this 24 hours fine weather
cleared the ship and and
took the S. Frisco on the
hoes at 9 AM have shunted
2 of the masts men went
on shore sailed at 10 AM

B. had gun 55

Saturday the 16th

First part strong trades
at 1 PM the Capt. came on board
with 1 of the masts men
and began to heave but the men
came aft and wanted more hands
sent the boat to the Parker
and got more help how far
and drifted in to the Parker
and hooked her anchor the
Constitution sent help and
at 4 PM got our anchor and
stood out lost the bow boat
middle part light rain
sailed off and on

Ship Cambria on June 11/54

Letter part fine weather at 10 AM
sent a boat on shore to see if
they could hear or see anything of the
boat - at noon returned but
could not get any information
Ship Sapphire 5 men sent 40 lbs
sawdust

Sunday the 17th
First part fine weather
standing off shore employed
stowing the 1 anchor middle and
letter part the same Reading 10 AM
sawdust

Lat 5.39

Long

Monday the 18th
First part fine weather heading SSW
middle and letter part foggy at 12
AM were ship heading SSW employed
stowing the harbor anchor and
chain sawdust

Lat

Long

Tuesday the 19th
First part moderate winds and
thick weather at 6 PM strong winds
single reefed, bent a number
main sail middle and letter part
gentle breezes at 1 AM made all
sail at 3 were ship sawdust employed
mending sails

Lat

Long

Wednesday the 20th
First part gentle breezes and
thick heading SSW at 4 PM tacked
at 2 backed back middle and letter
part light winds at 9 AM saw
the land employed getting out
water sawdust

Lat 5.27

Long 84.21

Laying off and on Payta

Thursday May the 21st

First part gentle breezes and fine weather at 2 PM wore ship off shore.

Payta head bearings 64° distant 8 leagues at 6 wore ship in again and layed a back all night at daylight fanned our selves to the leeward of Payta roads tacking and half tacking
Lat and Long of Payta

Friday the 22^d

First part brisk winds tacking and half tacking at 4 PM missed a shoal of humpbacks and thought they were sperm whales got out the albatross and riged her middle and latter part the same
saw do

Saturday the 23^d

First part gentle trades at 1 PM luffed too in. Payta harbor and the Capt went on shore at sunset returned with 3 men ship Ogrista came too with 1600 lbs middle and latter part gentle trades steering W. at 12 PM steered W & W saw do

Lat 4.20

Long 81.21

Sunday the 24th

First part gentle trades steering W. at 4 PM aboard boats crews and watches middle and latter part the same saw 1 sail heading in to the 6° S. at 2.40 PM

Long 83.04

saw black fish humpbacks
fairbacks and a. g. d

Bound to Cocons island

Monday May the 24th
First part gentle trades steering by
Saw a shoal of blackfish middle and
latter part the same steering by W by N
employed in ships duty saunders
Long 84.27 Lat 6.58

Tuesday the 25th
First part gentle breezes steering
by W by N at 4 PM changed the
Star and main topsail and gill
middle and latter part the same
sandy employed in ships duty
Lat 6.45

Long 84.54 W
Wednesday the 26th
First part gentle trades steering
by W by N saw blackfish middle part
the wind hauled to W by N and
main saw latter part fine weather
wind S by E steering by W saunders
saw a breach Long 84.28

Thursday the 28th
First part gentle breezes steering
by W by N wind of saw a ship standing
to the Eastward middle and
latter part the same saw breaches
saunders Lat 6.49 Long 85.59

Friday the 29th
First part gentle breezes
steering by the wind heading W
by S middle and latter part the same
at daylight saw the land saunders
steering in for the land



At Anchor in Cocon's Island

Saturday May the 30th
First part light winds at 2 PM
Came too an anchor in 20 fathoms,
of water broke out and carried
45 cask on shore for water and
fild 17 middle and latter part
sun rain imployed getting of water
and staving down sallery

Sunday the 31st
all this 24 hours fine weather sun
rain imployed getting of water
and staving down middle and
latter part sun rain 2 boats crewes
went after Cocanutes the rest
got a raft of cask on shore sallery

Quine Monday the 1st ~~the 1st~~
First part rainey at 4 PM
the boats returned with 250 cocanutes
middle and latter part the
same imployed getting of wood
and water.

Tuesday the 2d
all this 24 hours imployed
Woodding sun rain ship
Elizabeth Adams Holley of Fairhaven
Came too an anchor 20 morn
out 1500 lbs

Wednesday the 3d
all this 24 hours imployed
Woodding sun rain sallery

Thursday the 4th
First part light winds at 3 PM
took the anchor and went to sea
middle and latter part gentle
breezes and rainey steering

Ship Cambria beating up
out by the wind heading WSW
at 9th off brisk winds and
plenty of rain sails
employed stowing the chains

Friday, June the 5th
First part variable winds
and rain, at 2nd part more
ship heading SSW middle and
latter part mainly calm sandy
look in the old boat and stuck her
together Lat 8.00 Long 89 37

Saturday the 6th
First part light winds and
variable heading to the WSW middle
and latter part gentle breezes
fresh of heading WSW sandy
Lat 8.42

Sunday the 7th
First part gentle breeze from S
heading WSW middle and latter
part the wind at 4th off more
ship heading S by E sandy
Lat 9.24 Long 90 21 W

Monday the 8th
First part gentle breezes
head S by E middle and latter part
strong winds and squally at 6th off saw
a large shoal of sperm whales
toward the boats at 10 struck and
killed one too near to the ship got
dinner sandy Lat 9 49

Long 89 25
W. B. Adams

W. B. Adams 25 bbls

Came Maccolley

to the Gallapagos series in June 1840

Sunday June the 9th
First part strong winds and squally
employed cutting at 4 PM finished
braced forward heading W by S middle
and latter part the same at
12 AM wore ship to the S by E
at 6 began to bail saw breacher
sawds bailing Lat 4 50

Monday 89 38
Wednesday the 10th
First part strong winds
heading W by S at 6 PM finished
bailing middle and latter part
the same at 10 AM wore ship to
the S by E sawds saw breacher to
Winward Lat

Tuesday
Thursday the 11th
First part brisk winds heading
S by E at 6 AM wore ship to the S by W
middle and latter part the same
sawds Lat

Friday the 12th
First part brisk winds heading
S by W middle and latter part
the same at 4 AM wore ship to the
S by E sawds Lat 3 54

Saturday the 13th
First part strong winds
heading S by E at 5 PM tacked
heading W by S middle and latter
part the same at 3 AM tacked
to the S by E sawds Lat
Lat

Baird's Journal

Sunday June the 18th
First part brisk winds heading E S E
at 5 PM tacked to the ~~W S W~~
at 10 tacked to the S E middle and
latter part the same at 10 PM tacked
to the S W sandy Latt 2.48

Monday the 19th
First part brisk winds heading
S W by W middle and latter part
the same sandy Latt 2.29

Tuesday the 20th
First part gentle breezes heading
W S W middle and latter part
the same sandy Latt 1.50

Wednesday the 21st
First part gentle breezes heading S W
at 10 PM tacked to the S W middle and
latter part strong winds at daylight
saw a ship to windward sandy Latt 8.46

Thursday the 22nd
First part strong winds at 10 PM
saw a large whale to windward
the other ships boats in chase
concord but could not strike
at 6 PM returned on board spoke
harque George Porter. View Bedford
Lure 4 miles out 120 lbs middle
and latter part brisk winds heading
to the S W sandy

Latt 2.48
Days 99.33

Bound off shore in June 1840

Friday June the 19th
First part gentle breezes heading SSW
implayed mending the gill middle
and latter part the same winds
implayed mending sails

Lat 55.25

Long 98.29

Saturday the 20th

First part gentle breezes heading
SSW and squally at 10 AM wore
ship to the S at daylight wore ship
to the SSW sail in right winds
implayed mending sails Lat 59

Long 98.50

Sunday the 21st

First part gentle breezes heading
to the SSW sail in right and
several firbacks middle and latter
part the same at 10 PM wore ship
at daylight wore ship again
sails Lat 59 Long 99.28

Monday the 22d

First part gentle breezes heading
to the SSW wore several firbacks
middle and latter part the
same winds implayed mending
sails Lat 59.28

Long

Tuesday the 23d

First part gentle breezes heading
SSW middle and latter part the
same winds Lat 59.29 Long 100.20

Wednesday the 24th

First part gentle breezes and
fine weather heading S by S at
sunset shortened sail and wore
ship at daylight steered S by S
at dusk wore ship sails Lat Long

Cruising on the off shore

Thursday June the 25th
First part moderate winds and
squally steering S W middle and
latter part the same winds
Lat 4.26

Long 103.20

Friday the 26th
First part gentle breezes and
squally at 1 P.M. saw a sail at
4 spoke barque upstarts Water 22 was
out 200 lbs middle and latter part
fresh winds steered N by E all night
then steered S W winds Lat

Long

Saturday the 27th
First part fresh winds steering
S W at sunset shortened sail
and hoisted too 6 sail on right
middle part the same at daylight
Wore ship and steered off at 10 saw 2
ships winds Lat 4.50 Long

Sunday the 28th
First part strong winds wore ship
heading S by W at 4 P.M. wore ship
heading S E at 12 P.M. wore ship
to the S W strong winds 1 sail
in sight winds Lat

Maarten

Long James

Monday the 29th
First part strong winds heading
to the N E at 3 P.M. saw a shoal
of whales toward but could not
strike middle and latter part
the same at 3 P.M. wore ship to
the N E winds Lat

Long

Ship Cambria 1840

Tuesday the 30th

First part strong winds heading N.E.
at 4 PM saw breacher ahead at sunset
shortened sail middle and latter part
the same at daylight made all sail
and wore ship sails, Lat 4.50

Long 109 29

Wednesday July the 1st 1840

First part gentle breezes heading
S.W. at 4 PM saw a sail middle
and latter part the same at daylight
made all sail and steered S. by S. Lat

Long

Thursday the 2d

First part gentle breeze, steering
N. at sunset shortened sail
and luffed too middle and latter
part the same sails, Lat

Long

Friday the 3d

First part strong winds heading
N. saw a barque to leeward
middle and latter part the same
at 2 PM wore ship at daylight -
steered N. saw a sail to leeward
sails, Lat 2.28 Long

Long

Saturday the 4th

First part gentle breezes
wore ship to the S.W. at 4 PM
spoke ship President Starbuck
20 miles, got sails middle and
latter part the same sails, Lat

Long

Long

150 Cruising on the off shore

5-2-1/2

Sunday the 5th
First part gentle breezes heading
W at sunset shortened sail and
had again an middle and latter
part much the same had a gun
with the President sails

Lat

Long 110.18

Monday the 6th
First part gentle breezes heading
W middle and latter part
heading W W sandy trails in
sight Lat Long

Tuesday the 7th

First part gentle breezes
heading W to the same middle and
latter part the same at daylight
made sail and steered W W
sandy Lat 5.22

Long 100.29

Wednesday the 8

First part gentle breezes steering
W W at 3 PM saw a sail at sunset
shortened sail and lapped top
heading W W middle and latter
part the same at sunset
shortened sail and W W
were ship. sandy Lat

Long

Thursday the 9th

First part gentle breezes
steering W W at sunset
shortened sail and were 3 ship
middle and latter part the same
at daylight made sail and were
ship sandy Lat

Long

do 3,

Ship Cambria

Friday July the 10th 1860
First part gentle breezes heading to
the S.W. at sunset shortened sail
for the night middle and latter
part the same at daylight made
sail and steered S.S.W. & sails
Latt

Long
Saturday the 11th
First part strong winds heading S.S.W.
at sunset shortened sail and
were ship to the S.W. middle and
latter part much the same sails
Latt

Long
Sunday the 12th
First part gentle breezes heading to
the S.W. at 4 PM saw a sail at 6
spoke ship President Starbuck had
seen nothing since we saw him
middle and latter part the same
sails
Latt 4.25

Long 113.45
Monday the 13th
First part gentle breeze and
squally at 4 PM saw a ship
to leeward under short sail
supposed she was laying by anchor
shortened sail for the night
middle and latter part strong
winds heading to the S.W. at 11
saw a signal of whaler
to leeward and got 1. sails
Latt

Long L.B. Marten 2563
3013

Off shore.

Our day the 14th
First part strong winds employed
Cutting at 4 AM finished middle
part heading to the S at daylight
Wore ship at 10 began to boil
suddenly employed boiling

Lat 4 56


Long 114 24

Wednesday the 15th
First part gentle breezes leading
to the S at sunset wore ship
at 12 finished boiling at day
Wore ship sundy Lat 4 26

Long

Thursday the 16th
First part gentle breezes leading
to the S middle part strong winds
laying a back heading to the S
at daylight braced forward sail
in right winds Lat 4 27

Long 115 18

Friday the 17th
First part strong winds leading
to the S at sunset shortened
sail and wore ship at 9 AM spoke
the President had got 1 whale at
8 AM saw several large whales
trailed and struck one and shot
an arrow and lost them both
seen by  the B. Fisher Lat 4 49 Long 115 58

Saturday the 18th
First part strong winds leading
to the S saw several breaches to
windward middle and latter
part strong winds

Off shore

at 8 o'clock saw a large whale Landed
and struck and held him solid

1814 ~~Wilson~~ Sunday the 19th
First part strong winds employed
getting the whale a long rib
and cutting at 9 o'clock finished
cutting the head and let the
head lay all night middle and
latter part strong winds at 10 o'clock
finished cutting the head employed
hauling sails Lath Long

Monday the 20th
at 1 o'clock saw a large shoal off
whales Landed and got 3 middle
part laying by and hauling
latter part cutting saend
25 lbs 25 lbs 25 lbs Lath 4.40 S
Long 116 36 W
L. 15 W. 5 B. 5

Wilson Tuesday the 21st
First part strong winds employed
Cutting and hauling at 2 o'clock
finished middle heading to
the 1st latter the same heading
saend hauling Lath 4.09
Long 116 40

Wednesday the 22nd
Fine weather heading to the S
saw a ship at noon finished
hauling saend Lath 4.49 S
Long 119 19 W

Thursday the 23rd
cold this 24 hours strong winds
and rugged at 6 o'clock move ship
to the 1st saend

Off shore in July
Friday the 24th
all this 24 hours strong winds
and rugged weather heading
to the S & imploded standing
down sandy Lat
Long

Saturday the 25th
Much the same heading to the
S & imploded standing down
sandy Lat Long

Sunday the 26th
all this 24 hours strong winds
and rugged heading to the S
sandy Lat Long

Monday the 27th
much the same at 5 o'clock
finished standing down middle
and latter part strong wind
and squally at 3 o'clock we
saw blackfish Lat 42.8
Long 118.01

Tuesday the 28th
all this 24 hours strong winds
and rugged saw a barque to windward
heading to the S & middle part
heading S latter part S &
sandy Lat 42.6
Long 118.05

Wednesday the 29th
first part brisk winds heading
to the S at 5 o'clock we were ship
middle and latter part heading
to the S & sandy Lat 43.58
Long 117.21

Thursday the 30th
all this 24 hours gentle breeze
heading to the S & sandy
Lat 44.08
Long 116.20

Friday the 31st
Commenced with brisk winds
at 1 o'clock went ship to the S middle
and latter the same sandy

Lat 2.16

Long
August 1st Saturday the 1st
Fine weather and gentle breezes
leading to the S sands Lat 4.12

Long

Sunday the 2d
Much the same at 6 o'clock went ship
to the W & at 2 o'clock went ship to
the S sands Lat 4.50

Long 117 37 W

Monday the 3d
Brisk winds leading to the W &
at 3 o'clock went ship to the S sands

Lat 5.00

Long 117 26 W

Tuesday the 4th
Much the same at 3 o'clock went ship
to the W & in played meandering
the fly-gib. middle and latter
part light winds at 5 o'clock went
ship to the S sands Lat 4.46

Long 117.46

Wednesday the 5th
All this 24 hours light winds
leading to the S & in played setting
up the fore top mast rigging
rounds

Lat 5.40

Long 117.08 W S. White

Thursday the 6th

All this 24 hours light winds and
went at 8 o'clock saw a shoal of
Whales, saw and all boats but could not
strike came on board got dinner & christened
Lat 6.48

Off shore Crin Aug
Friday the 7th

pleasant weather still in perspective
of the nebbles at sunset struck
at dark and middle and latter part
gentle breezes heading to the S & a
main wave ship. Sundry Lat 5.96
Long 119.51

Saturday the 8th

Still this 24 hours gentle breezes
at 10 AM wave ship to the S & a
daylight wave ship to the S & W sundry
Lat 5.26
Long 119.19

Sunday the 9th

Much the same wave ship to the S & a
at day wave to the S & W with
strong trades at 9 single reefed
sundry Lat 5.26
Long 119.19

Monday the 10th

Strong trades wave ship to
the S & a middle and latter
part the same at daylight
wave ship sundry Lat 5.26
Long 119.19

Tuesday the 11th

Much the same at dark wave ship
at day wave ship to the S & a sundry
Lat 5.02 Marten
Long 118.00

Wednesday the 12th

Strong winds at 3 PM same
breezes to windward at 2 PM
wave ship to the S & a at noon
wave to the S & a sundry Lat 5.09
Long 118.00

August 1840

Thursday the 19th 1840

Commences with strong winds head
W & middle part the same at day
tacked to the S W winds Lat 4 26

Long don't know

Friday the 19th

Heading to the S with strong winds
at sunset tacked at day light
tackled back winds with gentle breeze
Lat

Long

Saturday the 20th

First part gentle breezes and
fine weather at 4 PM tacked to
the N E at 5 PM all way to the S
at noon steered N W W winds
Lat 5.05

Long 118.28

Sunday the 21st

Much the same at 3 PM saw
a ship lapped to the N E at 4
spoke ship. William Thompson & Co
manners out 1500 lbs spinn
at daylight near ship to
the S winds Lat 5.09.

Long

Monday the 22nd

All this 22nd having fine weather
employed getting out water at
sunset near ship to the S at
daylight went to the N E winds
Lat 4.14

Long 118.54

Tuesday the 23rd

Much the same heading to the
N E employed in ship at day
Lat 3.08

Long 119.44

Ship Carlin's

Wednesday the 19th
Fine weather heading to the N.E.
middle and latter part the same

Lat 1.30

Long 116.30

Thursday the 20th
All this 24 hours light winds
heading to the N.E. scene of Lat 1.37 S
Long 116.42

Friday the 21st
Much the same same fair back winds
Lat 1.48 S

Long 116.36

Saturday the 22d
light winds at 1 P.M. went ship to
the S middle and latter part the
same it is so calm no whales take
and at 12.5 track and hild 1
sends in pursuit of the whales
Garden ~~11.15 2.00~~ Lat 1.48
Long 116.19

Sunday the 23d
light winds still chasing
at 11 P.M. all boats got on board
at daylight began to cut at 4 till
finished sends clearing the head

Long 116.31 Lat 1.49

Monday the 24th
Much the same at 1 P.M. began
to hail at 4 till finished hailing
tacked to the S scene Lat 1.46

Long 116.20

Tuesday the 25th
Gales with light winds at 2
P.M. tacked to the N.E. middle and
latter part the same sends
at daylight more ship Lat 1.59
Long 116.20

Off Shore in August

Wednesday the 26th
all this 24 hours light winds
at 9 AM were ship to the N^W
middle and latter the same

Latt 24 0

Long 116 00

Thursday the 27th
much the same heading to the
N^W at 10 AM were ship sandy
unplayed mending, the fore topsail

Latt 2-11

Long

Friday the 28th
pleasant weather and gentle breeze
at 4 PM were ship to the S^W
at daylight were ship to the S
unplayed mending sails Latt 2-40

Saturday the 29th
first part gentle breeze; heading
S by E middle and latter part
the same winds Latt

Long

William

Sunday the 30th
first part brisk winds heading
to the S at 2 saw several large
whales toward but did not
strike our ship to the S^W at 3 AM
at 4 AM were ship to the S^W at 8 AM saw
whales toward at noon truck
and hild him sandy Long 117 59

No 19

James Macalloy

Latt 4 138

Monday the 31st

gentle breeze at 3 PM began to cut
at 7 finished began to hail at 12
were ship to the S^W at 4 AM were to
the S at 10 saw whales at noon got to the
ship sandy Latt 2-19 Long 118 30

Long

Long

Long

Long

Ship Cambria

Tuesday September the 1st
First part gentle breezes employed
Cutting at 6 finished head at 8
at daylight wore ship to the S
sails, employed hauling Latt 4 16
a ship in sight Day 118.50

Wednesday the 2d
Still fine weather head at 8 at 2
P.M. wore ship to the S sails
a ship in sight Latt 4.360
Day 118.45 1/2

Thursday the 3d
Much the same at 4 P.M. spoke ship
Magnet of money 150 lbs at 5 finished
hauling latter part the same head
of the sails Latt 5.55 1/2 Day 118.50

Friday the 4th
Fine weather head at 8 same nothing
employed hauling middle and
latter part the same at daylight
wore ship and began to stand down
sails Latt 5.260



Saturday the 5th
Much the same at dark wore
ship to the S middle and
latter part the same at daylight
wore ship to the S at 9 stood same
to large whale land and but
did not strike returned on
board and finished stowing
down sails Latt 5.13

Sunday the 6th
Fine weather head at 8 employed
hauling ship at 6 still some whales
toward but could not strike returned
on board and wore ship to the S
sails Latt Day

Monday 7th Off shore in September 1840
at 12 low and struck and
kild 1 middle part fine weather
at 6 PM finished cutting head & 2
middle part fine weather
at 9 PM saw whales low and
at noon struck sand
Lat 27 1/2 N Long 114 27
E. of the

Tuesday the 8th
still fine weather at 1 PM got the
whale to the ship at 6 finished
cutting and began to bail head
& at 8 PM took ship to the 3rd at 4
saw whales at 10 low and struck
1 small whale at 12 got to the ship
2 boats still chasing at 4 got on board
and cut in the whale sund
Lat 28 1/2 N Long 115 00

Wednesday the 9th
fine weather at 6 PM finished Joseph
cutting in head & employed
bailing middle and latter
part the same at 6 PM
saw whales low and struck
and kild 1 at noon got him
to the ship sund Lat 29 00
Long 116 00

Thursday 10th Morning
still fine weather at 1 began
to cut at 4 finished
middle employed clearing
away and bailing head & 2 at day
break went ship saw nothing sund
bailing Lat 29 1/2 N Long 116 50

Friday the 11th
much the same at 10 PM finished
bailing head & sund
Lat 29 1/2 N
Long 116 42

Ship Cambria September 1845

Saturday Sept 12th
Swift, port, gentle breeze, head S
at sunset shortened sail and ran
ship to the W^g Middle and latter
the same same pinback send Lat 4.00
employed Coopering Long 116.36

Sunday the 13th
Much the same at sunset took
in the light sails at 4 past 40
were ship to the S send Lat 4.11
Long 116.36

Monday the 14th
Fine weather head S by E at 10 AM
were ship at day light began to show
down sandy Lat 4.51 Long 116.56

Tuesday 15th
Much the same head W^g at 4 AM
were ship to the S send Lat 4.58
Long 116.56

Wednesday 16th
Fine weather head S at 6 PM
backed to the W^g middle and latter
the same sandy Lat
Long

Thursday 17th
Fine weather head W^g employed
setting up shrouds middle and
latter part squally send Lat
Long

Friday 18th
Gentle breezes and squally
at 12 AM saw breacher to windward
at sunset put a reef in
the top sails middle and latter
the same send at daylight were
ship Lat
Long

Off shore in Sept^r 1860

Saturday 19th

Still fine weather, head S at
6 AM bent the old fore top sail
and tacked to the S. S. middle
and latter strong winds and
squalley at day, wave ship
windy. Lat 4.36

Long 114 09

Sunday 20th

Strong windy and squalley
head W at sunset hauled
reefed middle and latter the
same at day made sail and wave
ship to the S. S. ends. Lat 4.38

Long 114 09

Monday 21st

Still squalley head S at 3 PM
single reefed at sunset wave
ship at day wave ship again
at 10 AM saw a large whale
lunge but could not strike
ends. Lat 4.40

Long 114 09

Tuesday the 22^d

Strong windy head S at
3 PM tacked at 4 PM wave
ship saw fin back, seen of
shiping water aft Lat 4.42

Long 114 09

Wednesday 23^d

Gentle breezes and squalley
wave ship to the S. S. at
day light wave ship to the
S. S. seen a vessel day in
ships duty. Lat 4.45

Long 114 55

Ship Cambria Sept^r 1840

Thursday 24th the
first part strong winds and
squally at 2 PM wave ship to
the N E middle and latter
part the same at 4 PM saw
a shoal of whales low and
and struck at noon got
the whale to the ship saw
got dinner Lat 4.26 Monteen

Friday 25th Cross 4 1/2 lbs
Much the same at 5 PM finished
cutting middle and latter
part of strand winds and
and squally in played
hailing head N E at 4 PM
wave ship to the N E in played
hailing sound Lat 4.26

Saturday 26th
Still strong winds and squally
at 2 PM wave ship to the N E
at 4 PM finished hailing at
daylight wave ship and saw
a sail sound Lat 4.26

Sunday 27th
First part strong winds
wave ship to the N E at
daylight wave ship to the N E
Lat 4.45

Monday 28th
Still strong winds head N
at sunset but a reef main
and wave ship at day wave
ship sound Lat 4.39 Log 118 09

October 18. 40

Tuesday the 29th

First part strong winds head
at 6 saw gungeon at sunset
were ship at day were back
sailed Lat 4 29 Long 119 59

Wednesday the 30th

still strong winds and squally
head at 6 engaged fishing
the main mast at 11 AM
were ship seen saw a ship
steering off W Lat 3 24
Long 119 15

Thursday 1st Oct

Strong winds head S at day
Rig & Dease ship to the A & B
sailed Lat Long

Friday the 2d

Made moderate at sunset
tacked to the S at 10 AM part
a ship sailing at 11 AM were ship
sailed Lat 3 54 Long 118 03

Saturday 3d

Gentle breezes head S at 6 AM
steered W ~~W~~ middle and latter
part the same at day steered
W ~~W~~ at noon steered W ~~W~~
round employed in ship's duty
Lat 4 29 Cl

Long 120 23 W

Sunday the 4th

Fine weather steering W ~~W~~
at 10 AM steered W ~~W~~ at day
rot the topmast steering sail and
topgallant and lower steering
W ~~W~~ for the Marquesas sailed

Lat 4 03 S

Long 123 04 W

Barrington for the Challenger
October

Monday Sept 5th 1840
Fair part gentle breezes steering
W by N with 4 watches middle and
latter the same sandy Lat 4.39
Long 125.48

Tuesday 6th
Fair part gentle breezes steering
W by N middle and latter part the
same saw Wharfers Lat 5.05
Long 128.29

Wednesday 7th
Fair weather steering S by W saw
fin backs middle and latter the same
saw employed in ship's duty
Lat 6.00 Long 131.15

Thursday 8th
Much the same steering S by W
at sunset steered S by W
saw Lat 7.24 Long

Friday 9th
Fair weather and gentle trades steering
W by N employed Coal tarring the
saw employed in ship's duty
Lat 8.00 Long 135.04

Saturday 10th
Still fine weather and gentle trades
steering W by N employed in ship's duty
saw Lat 8.19 Long 138.30

Sunday 11th
Much the same steering W by N
at 9 A.M. saw the island of Barbados
at 11 saw the island of Barbados
Lat 9.09 Long

Monday 12th
Gentle trades steering in for the land
at 10 A.M. shortened sail and luffed off
to the S

Barren for the Chaguan
October

Monday Sept 5th 1840
Fine part gentle breezes steering
W by N sail in water middle and
latter the same sandy Lat 4.39
Long 125.48

Tuesday 6th
Fine part gentle breezes steering
W by N middle and latter part the
same saw Wharfers Lat 5.05
Long 128.29

Wednesday 7th
Fine weather steering S by W saw
fin backs middle and latter the same
much employed in ship duty
Lat 6.02 Long 131.15

Thursday 8th
Much the same steering S by W
at sunset steered W by N
sandy Lat 7.24 Long

Friday 9th
Fine weather and gentle trades steering
W by N employed Coal tarring the
sandy employed in ship duty
Lat 8.02
Long 135.04

Saturday 10th
Still fine weather and gentle trade
steering W by N employed in ship duty
sandy Lat 8.19 Long 137.30

Sunday 11th
Much the same steering W by N
at 9 AM saw the island of Barbados
and saw the island of St. Vincent
Lat 9.02 Long

Monday 12th
Gentle trades steering in for the
at 10 AM shortened sail and luffed off
to the S